



SEPARATOR



54-00068



HAZ WASTE



COMPLIANCE



12/16/1993



NA



Joe

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5100 Poplar Avenue • Suite 2414 • Memphis, TN 38137 • (901) 685-5348 • Fax (901) 684-5398

December 16, 1993

Mr. Joseph M. Hoover  
Enforcement Branch Manager  
Hazardous Waste Division  
Arkansas Department of Pollution  
Control & Ecology  
P.O. Box 8913  
Little Rock, Arkansas 72219-8913

Re: Consent Administrative Order  
LIS 91-118--Facility Investigation

Dear Mr. Hoover:

This is to confirm that implementation of Cedar's Final, Revised Facility Investigation Work Plan (FIWP) submitted January, 1993 and approved by your office in July, 1993 was substantially completed by November 1, 1993. Cedar's contractor, Ensafe, has compiled the data developed from the facility investigation in the enclosed report, which is enclosed in triplicate as required by the CAO.

As you know, the deadline for submitting the Draft FI Report is sixty (60) days after completing the FI. While the enclosure reflects the results of the approved FIWP, we would also like to incorporate in the Report an investigative analysis as described in Task IV of the Scope of Work document attached to the CAO. I believe that it will be apparent to you upon reviewing the enclosed Report that additional data will be needed for Sites 1, 2 and 4 in order to adequately describe the nature and extent of contamination for purposes of the investigative analysis, and in order to support a corrective measures study. Accordingly, it is our intent to develop a supplemental FIWP for your approval. Our plan is to implement the supplemental FIWP promptly following its approval, and, within sixty (60) days from the date of completion, to submit a supplemental Draft Report which will incorporate (by reference or by addendum) the data enclosed herewith as well as the additional data to be developed. In this way, we would hope to conclude the investigation and begin work on a corrective measure study at the earliest possible date.

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Mr. Joseph M. Hoover  
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We would like to schedule a meeting in your office on January 7, 1994, for the purpose of submitting and discussing our Supplemental FIWP. Please confirm your ability to meet with us at that time, and if there is any problem with the procedures outlined above, please advise me promptly.

Sincerely,

*John Wagner*  
John Wagner by ATM

ATM:gw

**TECHNICAL MEMORANDUM  
CEDAR CHEMICAL CORPORATION  
WEST HELENA, ARKANSAS**

**Prepared for**

**Cedar Chemical Corporation  
Highway 242  
West Helena, Arkansas 72390**

**Prepared by  
Environmental and Safety Designs, Inc.  
5724 Summer Trees Drive  
Memphis, Tennessee 38134  
(901) 372-7962**

**December 16, 1993**

## TECHNICAL MEMORANDUM

TO: Arkansas Department of Pollution Control & Ecology  
FROM: Cedar Chemical Corporation  
West Helena, Arkansas  
SUBJECT: Cedar Chemical Facility Investigation  
Investigation Summary and Analytical Results  
DATE: December 16, 1993

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### **INTRODUCTION**

The field work for the Cedar Chemical Company Facility Investigation (FI) was conducted from August 30, 1993 to October 8, 1993. The work was performed to determine the nature and extent of potential contamination resulting from previous handling and disposal practices at the facility located in West Helena, Arkansas. Seven previously identified sites were investigated.

The field work consisted of the collection of sediment samples, surface and sub-surface soil samples, and groundwater samples. Analytical parameters are outlined below.

#### **Analytical Parameters for Soil and Water:**

- Volatile Organic Compounds (VOCs) by Method 8240
- Semivolatile Organic Compounds (SVOCs) by Method 8270
- Organochlorine Pesticides by Method 8080
- 40 CFR Part 265 Appendix III Metals by Method 6000/7000

#### **Analytical Parameters for Water:**

- Bicarbonate by Method 406C
- Chloride by Method 325.4
- Fluoride by Method 340.2
- Nitrate by Method 300.1
- Sulfate by Method 300.1
- Ammonia by Method 351.2
- Cyanide by Method 9010

## SITE GEOLOGY

During a previous investigation, three distinct stratigraphic units were identified beneath the site. The basal stratigraphic unit identified consisted of a very stiff, dark gray, sandy clay with lignite. This stratum was encountered a depth of approximately 134 feet below ground surface.

Overlying the sandy clay is a relatively clean, fine to coarse sand with some gravel to a depth of approximately 50 feet. This sand grades in a fining upward sequence to a medium dense to dense silty fine sand to depths of 42 to 27 feet.

Interbedded, very stiff to firm, tan, gray and brown silty clay and clayey silts were encountered from the ground surface to the top of the alluvial sands. Coefficients of permeability of this unit were found to range from  $4.0 \times 10^{-5}$  cm/sec to  $8.5 \times 10^{-8}$  cm/sec.

Five Shelby tube samples collected during this the investigation were analyzed for Atterburg Limits, grain-size analysis using the dual classification system in the Unified Soil Classification System, and permeability. The samples were collected from the following borings and depths.

CED1MW-6	25'- 27'
CED2MW-3	10'- 12'
CED4MW-1	20'- 22'
CED6SB-G	10'- 12'
CED9SB-15	10'- 12'

The average coefficient of permeability ( $K_{20}$ ) is  $7.63 \times 10^{-6}$ . The average porosity of the samples for pre-test and post-test are 0.345 and 0.293 respectively. The physical parameter analysis sheets are provided in Attachment A.

Static water levels were collected during the investigation from all site wells. The water table depths were converted to mean sea level and used to create a piezometric surface map for the Cedar facility (Figure 1).

#### **Investigation Derived Waste**

All investigation derived waste (IDW) such as soil cuttings, development water, purge water, and decontamination water was containerized in DOT-17H 55 gallon drums. When a drum was filled or an investigation site completed, the drum was labeled with the content's matrix and source, the site number, well or boring number from which the waste was generated, and the date of waste generation. All IDW drums will be stored at the Cedar Chemical facility until analytical results are received, and waste characterization can be completed.

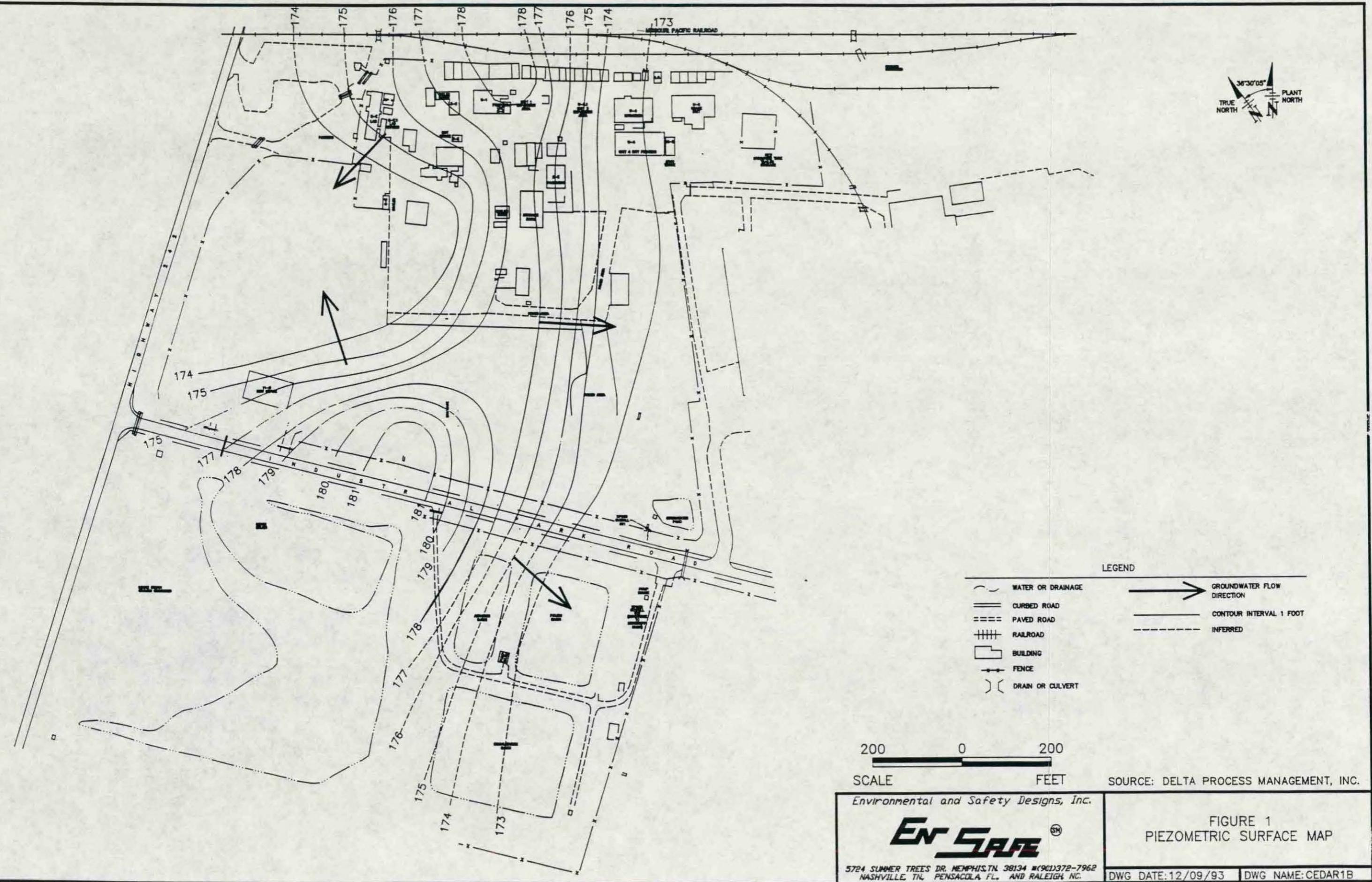
If the analytical results show that the soil boring and groundwater samples are hazardous, the soil cuttings from that boring and monitoring well purge water from that well will be stored at the investigation site less than 90 days while proper disposal arrangements are made. If the analytical results show that the soil boring samples are non-hazardous, the soils from that boring will be spread across the investigation site.

If groundwater samples are non-hazardous the purge water from that monitoring well will be sent to the onsite water treatment facility.

All decontamination solutions will be analyzed for site constituents. Appropriate disposal procedures will be addressed following receipt of the decontamination solution analytical results.

#### **SAMPLING PROCEDURES**

The following sections describe the sampling procedures employed during the investigation. The soil and sediment sampling, well completion, development, purging, groundwater sampling and decontamination procedures are discussed in detail.



### Surface Soil and Sediment Sampling

Soil samples were collected during the installation of the monitoring wells, soil borings, and hand auger borings. Surface soil and sediment samples were also collected during the investigation. This section discusses the sampling procedures for each of the above-mentioned sample collection procedures.

Surface and shallow sub-surface soil samples were collected using a hand auger consisting of a stainless steel sampling bucket attached to a 3-foot rod with a T-handle. The following steps were conducted during the collection of each hand auger sample:

- The sampling bucket was advanced by turning the T-handle until the desired sampling depth was reached.
- Once the bottom of the sampling interval was reached, a portion of the soil was removed from the auger bucket with a stainless steel spoon and placed in a clean glass jar for analysis.
- The remaining soil was then removed from the auger, bucketed with a stainless steel sampling spoon, and placed in a stainless steel mixing bowl where it was thoroughly homogenized to form a composite sample for semivolatiles, RCRA metals, and pesticide analysis.
- Splits of all samples were collected in Ziploc storage bags and tested for organic vapor content by using a head space analysis technique.

Samples were shipped to the chosen laboratory via air courier for laboratory analysis under strict chain-of-custody procedures.

Sediment samples were collected from the stormwater ditches and retention pond using a Ponar grab sampler, a stainless steel, clam shell type scoop activated by a counter lever system. The following steps were conducted for the collection of each sediment sample:

- The shell was opened, locked into place and lowered or thrown into the water and to the bottom of the ditch.
- Tension was released on the rope attached to the lever, activating the lever system and closing the jaws of the bucket.
- The Ponar was then retrieved and the jaws opened, allowing access to the sediment sample.
- Sediment samples for VOC analysis are taken from the Ponar sampler and immediately placed in the appropriate container and placed on ice.
- The remaining sediment was removed and placed in a stainless steel bowl, thoroughly homogenized, and placed in the appropriate sample containers for analysis.

These steps were repeated until enough sediment was obtained for all analytical parameters.

#### **Soil Borings**

Soil borings were installed to collect subsurface soil samples which were too deep to collect with a hand auger. The soil borings were advanced using a 3.75-inch inside diameter (ID) hollow stem auger (HSA). Sampling began at the surface and continued at the desired sampling intervals until the terminal depth was reached.

During drilling and sampling, boreholes were continuously monitored with a photoionization detector (PID) and a Miniram Aerosol monitor to detect any organic vapors and dust particles released through drilling. Each sample was screened with the PID as it was logged.

In each soil boring, sampling was accomplished using a standard 5-foot continuous soil sampling tube attached to the drilling rods and lowered through the hollow stem augers. The lead end of the sample tube extends a few inches beyond the cutting head and locks into place. As the augers are turned, the sample tube fills with undisturbed soil. The following steps are followed during sample collection:

- Once the augers have been advanced 5 feet (the length of the sampling tube) the full sample tube is withdrawn from the augers, disconnected from the drilling rods and opened by the site geologist.
- Once opened, a sample is immediately collected for VOC analysis with a stainless steel sampling spoon and the soil for the VOC sample is collected from the entire length of the sampling tube.
- The sample core is then screened with a PID and described on the boring log. Sample description characteristics include color, grain size, sample quantity, PID reading and any staining, odor or discoloration.
- The sample is placed in a stainless steel bowl and mixed with a stainless steel spoon. Once homogenized, the soil is placed in the appropriate sample containers and placed on ice for shipment to the laboratory.

Upon completion of each soil boring, the borehole was backfilled with a cement-bentonite grout mixture. This mixture was pressure grouted through a tremie pipe by starting at the base of the

borehole and working up to the ground surface. The location of each boring will be marked for future reference on a site map.

### **Monitoring Well Installation**

During this investigation, both Type II and Type III groundwater monitoring wells were installed. Soil samples were collected from each monitoring well boring following the same procedure described in the above section. Type II wells were installed in the perched aquifer encountered in some locations at a depth of approximately 12 feet. Type III groundwater monitoring wells were installed in the alluvial aquifer beneath the clay confining unit. The borings for the wells were sampled continuously for lithology and chemical analysis. Decisions for well types and depths were based on the lithologic data obtained during boring installation and from information obtained from past investigations. The following paragraphs describe the well installation procedures for Type II and Type III wells.

#### **Type II Monitoring Wells:**

The Type II wells were installed by advancing 3.75-inch inner diameter hollow stem augers to a point approximately 7 feet below the first encountered saturated zone. Once the target depth was reached, the well was lowered through the augers to the bottom of the boring. The wells consisted of a 10-foot length of 2-inch diameter, 0.010-inch slot, flush threaded, schedule 40 PVC well screen attached to a length of 2-inch diameter, flush threaded, schedule 40 PVC riser pipe. After the well was lowered through the augers, 20/40 sized silica sand filter pack was emplaced around the screen. The filter pack extended at least 2 feet above the top of the well screen. Next, a bentonite pellet seal, at least 2 feet thick, was emplaced above the filter pack to prevent any contaminants from percolating down into the well screen. The bentonite pellets were then hydrated with approximately two gallons of deionized water. After the pellet seal had been allowed to hydrate, the remaining annulus of the borehole was pressure grouted from the bottom of the boring to ground surface with a tremie pipe. The grout consisted of a potable water, Portland cement, and bentonite powder slurry.

**Type III Monitoring Wells:**

Type III monitoring wells are basically the same design as the Type II wells with the addition of a surface casing that has a larger diameter than the well casing. Type III wells were used when the screened aquifer was overlain by a perched aquifer or a confining unit. The surface casing is set from the ground surface to the top of the confining unit to prevent any contamination in the perched aquifer from migrating down to the lower aquifer.

The surface casing for the Type III well was installed by drilling to the top of the clay confining unit with 12-inch, outer diameter hollow stem augers. Once the top of the confining unit was reached, the augers were removed and the surface casing, 10-inch, schedule 40 PVC, was lowered to the bottom of the boring. The surface casing was then hydraulically pressed approximately 1 foot into the clay unit with the drill rig. A bentonite pellet seal was emplaced at the bottom of the surface casing annulus. Once the pellets had adequate time to hydrate, the remaining annulus was grouted to ground surface with a potable water, Portland cement and bentonite powder slurry. After the grout had cured at least 12 hours, 3.75-inch hollow stem augers were lowered through the surface casing, and the boring was advanced to a depth of 10 feet below the bottom of the confining unit. Once the terminal depth of the boring was reached, the well screen and riser were installed through the surface casing in the same manner as the Type II groundwater monitoring wells.

After installation, the wells were completed during the following three steps:

1. To facilitate groundwater sampling of wells in grassy areas, approximately 2½ feet of well pipe were left extending above the ground surface at each of the well sites. To protect the wells and ensure their integrity, a steel protective casing with a locking cover was set over the well pipe in a concrete pad (dimensions 4'x 4'x 6") that slopes away from the well casing. A steel guard post was set in the concrete at each corner of the pad.

Wells in paved areas were completed flush with the ground surface. The well casing was cut to extend approximately 3 to 4 inches below ground surface. A water-tight man-hole assembly was then placed around the well casing and cemented into place.

2. All monitoring wells were surveyed by a land surveyor registered in the State of Arkansas to the nearest 0.01 foot incorporating USGS NAD '83. Reference to this survey is clearly stated on all plats, drawings and figures along with the benchmark reference. A permanent mark was placed at the top of each well casing to aid in generating accurate and consistent groundwater measurements.
3. All monitoring well installation notes, calculations, descriptions and observations were recorded in the field log book. In addition, soil boring and well construction logs were produced that accurately depict all construction details of the finished wells. These construction details include total depth, date completed, lithology where sampled, depth to the filter pack and the seal, and a measured static water level. Soil boring logs and monitoring well schematics are included in Attachment B.

#### **Monitoring Well Development**

Well development was conducted once the cement grout in the annular space of the monitoring well had cured for at least 24 hours. Well development is required to remove the fine clay and silt particles from the geologic formation near the well intake to reduce turbidity in the groundwater samples. Well development proceeded with a dedicated disposable bailer until groundwater turbidity was reduced and stabilized. Wells CED2MW-1 and CED2MW-2 were surged with a surge block before bailing to increase their slow rate of recharge. All water generated during well development was containerized in steel 55-gallon drums.

### Groundwater Sampling

Groundwater sampling began once the wells were completed and the turbidity of the groundwater had been reduced through the development of the wells. The groundwater sampling provides data pertaining to the groundwater quality.

The following activities were conducted before each groundwater sampling event in the monitoring wells:

1. A PID measurement was collected and recorded at the wellhead to detect volatile compounds which may indicate the presence of an immiscible layer in the well. The well cap was removed and the tip of the PID was immediately inserted and allowed to sample for one minute.
2. Static water levels were measured and recorded for each monitoring well. Measurements were made to the nearest 0.01 of a foot using an electronic water level indicator. The data from these measurements were referenced to mean sea level.
3. Clean plastic sheeting was spread out around the well to contain any spilled purge or sample water.
4. At least three well casing volumes was purged from each well before sampling. Purging was accomplished using a Teflon bailer with a one-way ball valve. The casing volume of each well was calculated by determining the height of the water column in the well using the difference between the static water level measurement and the known depth. This number was then multiplied by a volume/foot constant (0.164 gallons/foot for a 2" well) to derive the volume of water in the casing. All water produced during purging was containerized in 55-gallon drums. Following removal of the water, each well was allowed to recover before sampling began.

5. A pH, temperature, and specific conductance measurement was made and recorded for each casing volume purged with a potable water quality meter. Purging continued until at least three casing volumes of water were removed or until the pH, temperature, and specific conductance had stabilized.

Groundwater samples were collected from each well using a Teflon bailer with a one-way ball valve. The samples were collected in the appropriate pre-cleaned sample containers and either pre-preserved or preserved onsite with the appropriate preservative.

#### **Decontamination Procedure**

To prevent cross-contamination during sampling and well construction, all drilling and sampling equipment was decontaminated between each boring, sampling interval and well. All decontamination procedures requiring pressure washing were conducted at the decontamination station established and constructed before the sampling activities began. The decontamination station consisted of a double layered Visquine floor. A sump was excavated in the downgradient corner of the floor to allow the decontamination water to be pumped into drums. A 6-foot high, PVC frame covered with Visquine surrounded the floor of the decontamination station on three sides. The walls contained the splash water and soil resulting from the high pressure wash and rinse. The following discusses the decontamination procedures for each type of equipment.

All hollow stem augers, continuous sampling tubes and drill rods were decontaminated before use at each boring/well location using the following procedure:

- Augers, drill rods and continuous sampling tubes were steam cleaned with a high pressure, hot potable water and Alconox detergent solution. A particulate matter that was not removed from the equipment with the pressure wash was scrubbed with a brush.
- The wash was followed by a high pressure, hot potable water rinse.

- The equipment was allowed to air dry before transport to the next boring location.

Continuous sampling tubes were brush scrubbed with a potable water Alconox wash followed by a potable water rinse between each sampling interval.

All stainless steel sampling bowls and spoons, and hand augers were decontaminated in the following procedure:

- The sampling equipment was brush scrubbed with a potable water and Liquinox wash.
- The equipment was rinsed with potable water.
- The equipment was rinsed with laboratory grade isopropanol.
- The equipment then received a final deionized water rinse.
- Once decontaminated, the equipment was wrapped in aluminum foil until needed again.

The water level indicator was decontaminated by rinsing with potable water, a laboratory grade isopropanol rinse, and a deionized water rinse.

The Teflon bailers used to sample the wells at the site were dedicated to a specific well, thus providing no chance for cross contamination. Therefore, the bailers were not decontaminated until the investigation was completed.

#### **Sample Nomenclature**

Each sample collected during this investigation was labeled with an identification number that references the facility name, site number, sample matrix, sample origin (i.e., well, soil boring,

etc.), number of the sample origin for a particular site, and depth interval from which the sample was collected. For example, sample CED4SMW2-3 refers to the soil sample collected from Site 4 at the Cedar Chemical facility, from the boring from monitoring well number two at the third sample interval. The following example defines the sample identification system.

### **CED4SMW2-3**

- CED** — Cedar Chemical
- 4** — Site number. The possible site numbers are 1-9, except for 7.
- S** — Sample matrix, in this case soil. Other reference letters are: GW - groundwater, and SED - sediment.
- MW** — Sample origin, in this case monitoring well. Other origin references are: SB - soil boring, and HA - hand auger.
- 2** — The number of the well, soil boring, or hand auger boring at a site from which the sample was collected.
- 3** — The depth interval in a particular well boring, soil boring, or hand auger boring from which the sample was collected. The depth for a particular sample interval varies with the sample collection instrument used. When using the 5-foot continuous sampling tube, interval 1 is from 0 to 5 feet, interval 2 is from 5 to 10, etc. The bucket length on the hand auger is one foot. Therefore, interval 1 for a hand auger sample is from 0 to 1 foot, interval 2 is from 1 to 2 feet, etc.

Because the monitoring wells installed during previous investigations do not correspond to any particular site of this investigation, an "E" was used in place of a site number to indicate an existing well.

## BACKGROUND SOIL SAMPLES

Three background soil samples were collected from soybean fields adjacent to the Cedar Chemical facility and analyzed for VOCs, SVOCs, pesticides and RCRA metals. CEDSBG-1 was collected in the field northeast of the U-5 Grace Unit and CEDSBG-2 was collected in the field of Site 2. CEDSBG-3 was collected in the field southwest of the Site 1 equalization basin. Table 1 presents the results of the background soil samples. As seen in Table 1 4,4'-DDT and 4,4'-DDE were detected in samples CEDSBG-1 and CEDSBG-3. These compounds most likely result from the past application of DDT to the crops. Results for all detected compounds are presented in the laboratory reports in Attachment C.

## SITE 1 — SMWUs 63, 64, 65, and 68 and API Separator

### *Field Work Summary*

Site 1 consists of four SWMUs: Wastewater Tank 2 (SWMU 63), the Flow Equalization Basin (SWMU 64), the Aeration Basin (SWMU 65), the Polish Pond (SWMU 68), and the API separator adjacent to the equalization basin that is part of the wastewater treatment system in the southeast corner of the site across Industrial Park Road. Site 8 (area of concern [AOC] 3 was sampled as part of Site 1.

The work plan specified the installation of 5 groundwater monitoring wells in the alluvial aquifer (approximately 35 feet deep) along the perimeter of the treatment ponds (SWMUs 64, 65, and 68) with nested wells to be installed if multiple saturated zones were encountered.

Soil samples were collected continuously from each of the monitoring wells installed at Site 1. All samples collected from the monitoring well borings were analyzed for VOCs, SVOCs, pesticides, and RCRA metals.

During installation of the first monitoring well boring, a perched zone was encountered at approximately 12 feet. It was then decided that all five monitoring wells would be installed in the perched aquifer. Once all of the Site 1 wells were installed, headspace readings were

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**Table 1**  
**Background Soil Samples**  
**Volatile Organics, Metals and Pesticides in Soil**

Detected VOCs (ppb)	CEDSBG-1	CEDSBG-2	CEDSBG-3
1,2-Dichloroethane	U	U	32 J
Toluene	13	U	10 J
Total Xylenes	7	U	U
Acetone	U	U	1200 R
Methylene Chloride	2 J	2 J	7 J
<b>Detected Metals (ppm)</b>			
Lead	10.1	10.3	11.2
Arsenic	3.9	6.2	5.3
Barium	204	174	138
Cadmium	U	U	U
Chromium	13.1 J	14.7 J	10.7 J
Silver	U	U	U
Selenium	U	U	U
<b>Detected Pesticides (ppb)</b>			
4,4-DDT	25	U	29
4,4-DDE	16	U	20

**Notes:**

U - Undetected

R - Value is unusable (see DL value)

J - Compound detected but below contract required detection limit (estimated value)

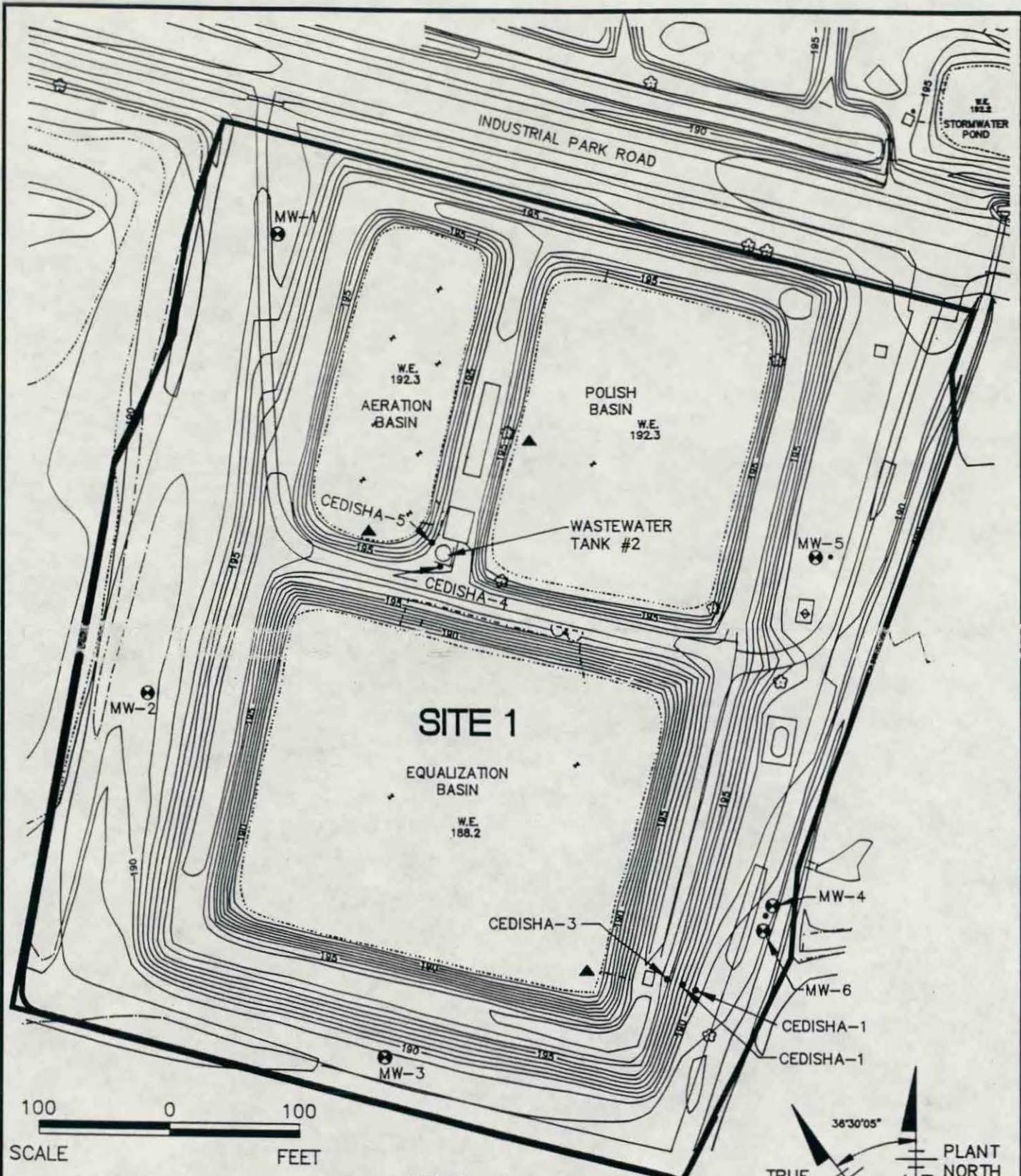
collected. A Type III monitoring well was then installed in the alluvial aquifer by the well with the highest headspace reading (well number CED1MW-4). All Site 1 monitoring wells were analyzed for VOCs, SVOCs, pesticides, RCRA metals, and ammonia, bicarbonate, chloride, fluoride, sulfate, nitrate, and cyanide.

Soil samples were collected from two stained areas around wastewater tank 2. The samples were collected with a hand auger from 0 to 12 inches and analyzed for VOCs, SVOCs, pesticides, and RCRA metals.

One sediment sample was collected from each of the three treatment ponds with a petite ponar grab sampler. The samples were collected from the bottom of the pond, below the influent pipe feeding each pond and analyzed for VOCs, SVOCs, pesticides, and RCRA metals. Figure 2 shows all sampling locations at Site 1. Figure 3 presents the sampling locations for AOC #3.

Three hand auger locations were sampled on the berm, downgradient of the API separator. Samples were analyzed for VOCs, SVOCs, pesticides, and RCRA metals.

AOC 3 is a ditch on the south side of the biological treatment ponds which carries stormwater discharged from NPDES Outfall #001 to the White River. In the past, the API separator would periodically overflow and wastewater destined for the treatment ponds would flow down the backside of the equalization pond berm into the industrial park ditch. To remediate this problem, the separator and pad were cleaned and a gutter was installed in February 1992 to divert any overflow into the equalization pond. A new separator was installed in February, 1993. The contaminated soil from the berm was removed, placed in drums and sent to the Chemical Waste Management Subtitle C Landfill in Carlyss, Louisiana. The soils from the ditch were to be assessed by collecting four soil and or sediment samples from the bottom of the ditch. The four samples were collected beginning 50 feet north of the API separator and continuing in 50-foot increments southward. The compounds detected in these samples are summarized in Tables 2, 3 and 4.



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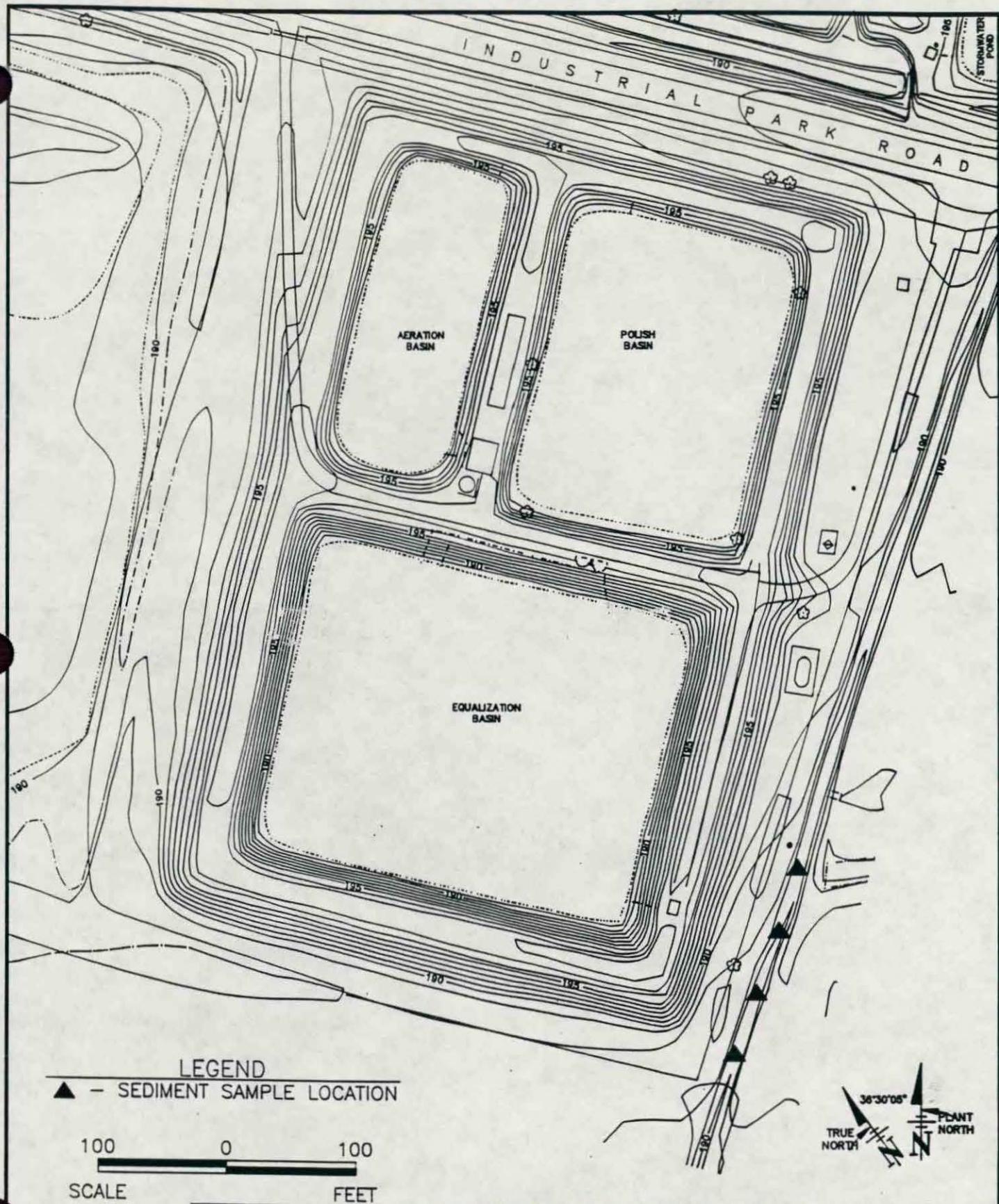
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NASHVILLE, TN, PENSACOLA, FL, AND RALEIGH, NC

FIGURE 2

SITE 1  
MONITORING WELL, HAND AUGER  
& SEDIMENT SAMPLE LOCATIONS

DWG DATE: 12/09/93 DWG NAME: CEDAR2A



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**FIGURE 3**  
**AOC #3**  
**SAMPLING LOCATIONS**

DWG DATE: 12/08/93 DWG NAME: Bx11

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*Site 1 Data Summary*

The following tables present the results for the compounds detected at Site 1.

Table 2 Site 1 VOCs, Metals, Semivolatiles and Pesticides in Hand Auger Soils									
Detected Compound	CED1SHA-1	CED1SHA-2	CED1SHA-3	CED1SHA-4	CED1SHA-5	CED1SHA-6	CEDASHA-7	CED1SHA-8	CED1SHA-9
<b>VOCs (ppb)</b>									
Total Xylenes	U	U	U	3.0 J	440	U	U	U	U
2-Butanone	U	U	U	57.0	53	U	U	U	U
Ethylbenzene	U	U	U	U	13 J	U	U	U	U
1,2-Dichloroethane	U	U	U	U	1100 R	U	U	U	U
4-Methyl-2-Pentanone	U	U	U	U	92 J	U	U	U	U
Toluene	U	U	U	U	930	U	U	U	U
Tetrachloroethylene	U	U	U	U	760	U	U	U	U
Acetone	U	U	U	U	64	U	U	U	U
Chloroform	U	U	U	U	98	U	U	U	U
Methylene chloride	U	U	U	U	6	U	U	U	U
<b>Metals (ppm)</b>									
Arsenic	5.1 J	44.6 J	5.8 J	7.3 R	3.2 R	6.1 R	4.2 R	5.2 R	6.3 J
Barium	119	164	163	152	43.8	248	142	77.6	157 J
Chromium	10.6 J	14.2 J	12.7 J	13.5	9.3	22.9	18.7	21.7	16.5 J
Lead	8.1	8.7	8.9	19.5 J	7.6 J	12.1 J	94. J	11.8 J	12.5
Selenium	.60 R	.62 R	U	U	U	U	U	0.81	U
<b>Semivolatiles (ppb)</b>									
Pyrene	U	160 J	U	U	U	U	U	U	U
Dinoseb	9,600	U	U	U	U	U	U	U	U
3,4-Dichloroaniline	U	U	U	1,500,000 J	U	U	U	U	U
1,2-Dichlorobenzene	U	U	U	U	260 J	U	U	U	U

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Detected Compound	Table 2 Site 1 VOCs, Metals, Semivolatiles and Pesticides in Hand Auger Soils								
	CED1SHA-1	CED1SHA-2	CED1SHA-3	CED1SHA-4	CED1SHA-5	CED1SHA-6	CEDASHA-7	CED1SHA-8	CED1SHA-9
<b>Pesticides (ppb)</b>									
Dieldrin	U	U	U	U	460 J	U	4	U	U
Beta BHC	U	U	U	47 J	510 J	U	U	U	U
Delta BHC	U	U	U	U	2100 J	U	U	U	U
Aldrin	U	22	U	U	U	U	U	U	U
4,4'-DDT	380	U	31 J	U	U	U	U	U	U
4,4'-DDD	110	U	U	U	U	U	U	U	U
4,4'-DDE	98	47	7.8	31 J	U	U	U	U	U
Endosulfan Sulfate	U	U	U	U	U	U	U	U	U

**Notes:**

U - Compound analyzed but not detected

J - Compound detected but below the contract required quantitation limit (estimated value)

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Table 3  
 Site 1  
 Volatile Organics, Pesticides and Metals in Monitoring Well Soil Borings

Detected VOCs (ppb)	CED1SMW1-1	CED1SMW1-2	CED1SMW2-1	CED1SMW2-2	CED1SMW3-1	CED1SMW3-2	CED1SMW4-1	CED1SMW4-2	CED1SMW5-1	CED1SMW5-2	CED1SMW6-1
Acetone	130	U	U	U	U	U	U	U	U	U	U
Toluene	U	U	U	U	U	U	2 J	U	U	U	U
1,2-Dichloro-ethane	U	U	U	U	U	U	U	U	U	U	210
<b>Detected Pesticides (ppb)</b>											
4,4'-DDD	12	U	13	U	U	U	U	U	16	U	U
4,4'-DDE	11	U	8.1	U	U	U	U	U	11	U	U
<b>Detected Metals (ppm)</b>											
Arsenic	6.7 J	8.1 J	14.0 J	7.0 J	6.8 J	8.6 J	3.3 J	8.1 J	6.2 J	4.8 J	1.6
Barium	248	130	156	193	100	169	271	140	108	141	114
Cadmium	U	U	U	U	U	U	U	U	U	U	0.29
Chromium	12.7 J	14.4 J	10.9 J	16.0 J	11.3 J	12.9 J	11.0 J	13.6 J	13.6 J	8.8 J	12.0 J
Selenium	0.69 R	0.61 R	0.58 R	0.61 R	0.67 R	0.61 R	0.58 R	0.63 R	0.59 R	0.61 R	0.67 R
Lead	9.1	8.6	9.1	11.2	8.3	9.6	7.7	7.3	8	5.9	8.6

**Notes:**

U - Compound/analyte was analyzed for but not detected

J - Compound/analyte detected but below the contract required quantitation limit (estimated value)

R - Unusable

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**Table 4**  
**Site 1**  
**Volatile and Semivolatile Organic Compounds and Metals in Groundwater (results in ppb)**

Detected VOCs (ppb)	CED1GWMW-1	CED1GWMW-2	CED1GWMW-3	CEDGWMW-3D	CED1GWMW-4	CED1GWMW-5	CEDGWMW-6
1,2-Dichloroethane	19.0	U	2,700	2,500	1800	U	640
Chloroform	2.0 J	U	U	U	U	2.0 J	U
Trichloroethene	U	U	U	U	28.0 J	U	U
<b>Detected SVOCs (ppb)</b>							
bis-(2-Ethylhexyl)phthalate	2.0 J	U	U	U	U	U	U
1,4-Dichlorobenzene	U	U	4.0 J	4.0 J	U	U	U
4-Chloroaniline	U	U	76.0 J	160 J	1.0 J	U	U
1,3-Dichlorobenzene	U	U	4.0 J	3.0 J	U	U	U
1,2-Dichlorobenzene	U	U	31.0	30.0	U	U	U
3,4-Dichloroaniline	U	U	55.0	60.0	12.0	13.0	U
2,6-Dinitrotoluene	U	U	U	U	U	320 J	U
Benzoic Acid	U	U	U	U	U	U	11.0 J
<b>Detected Analyte (ppb)</b>							
Iron	109,000 J	53,600 J	107,000 J	169,000 J	22,500 J	42,300 J	18,300
Lead	41.1	25.3	38.0	48.9	10.8	16.1	15.9
Magnesium	174,000	65,100 J	261,000 J	383,000 J	240,000 J	197,000 J	72,900
Sodium	92,100	67,700	525,000	558,000	379,000	906,000	72,300
Arsenic	38.5 J	21.8 J	44.6 J	49.3 J	13.5 J	20.1 J	23.6

Table 4  
Site 1  
Volatile and Semivolatile Organic Compounds and Metals in Groundwater (results in ppb)

Barium	923.0	513.0	639.0	955.0	441.0	324.0	553.0
Chromium	81.4 J	47.1 J	80.8 J	113.0 J	21.2 J	47.5 J	12.7
Calcium	304,000 J	74,100 J	294,000 J	456,000 J	285,000 J	360,000 J	334,000
Selenium	U	U	U	U	U	U	5.0 R

Qualifiers:

J - Compound detected below contract required quantitation limit (estimated value)

U - Compound analyzed for but not detected

## SITE 2 - SWMUs 69, 70, 71

### *Field Work Summary*

Site 2 consists of three SWMUs that were part of a wastewater treatment system used at the site from approximately 1970 to 1978. The three inactive ponds have been filled and are located on the northwest side of the site near Highway 242.

Three groundwater monitoring wells were proposed for installation in the work plan. The wells were to be installed into the alluvial aquifer at an estimated depth of 35 feet. In addition to the wells, 10 soil borings were proposed to determine the vertical extent of the contamination detected in the Ecology and Environment Inc. 1985 investigation. Each boring was to be sampled at 1-foot intervals and screened with the Dexsil L2000 Chloride/PCB analyzer. There were some deviations to the sampling plan at Site 2 due to matrix interference problems with the screening instrument and difficulty locating the ponds from aerial photographs. The following paragraphs describe deviations and the actual sampling procedures implemented at the site.

It was not possible to determine the exact locations of the former ponds with any accuracy using the available aerial photographs. Therefore, a sampling grid was established across Site 2 to provide thorough coverage of the site and to improve the chances of installing borings both within and outside the boundaries of the ponds. The grid was established with sampling points in the center of each grid square for a total of 12 boring locations.

The original sampling procedure called for the continuous collection of samples at 1-foot intervals, which were to be screened with a Dexsil L2000 Chloride/PCB analyzer. Once the screening was completed, the 1-foot interval with the highest chloride reading would be submitted to the laboratory for analysis of VOCs, SVOCs, pesticides and RCRA metals. Additionally, the first two intervals with a chloride content near that of background samples

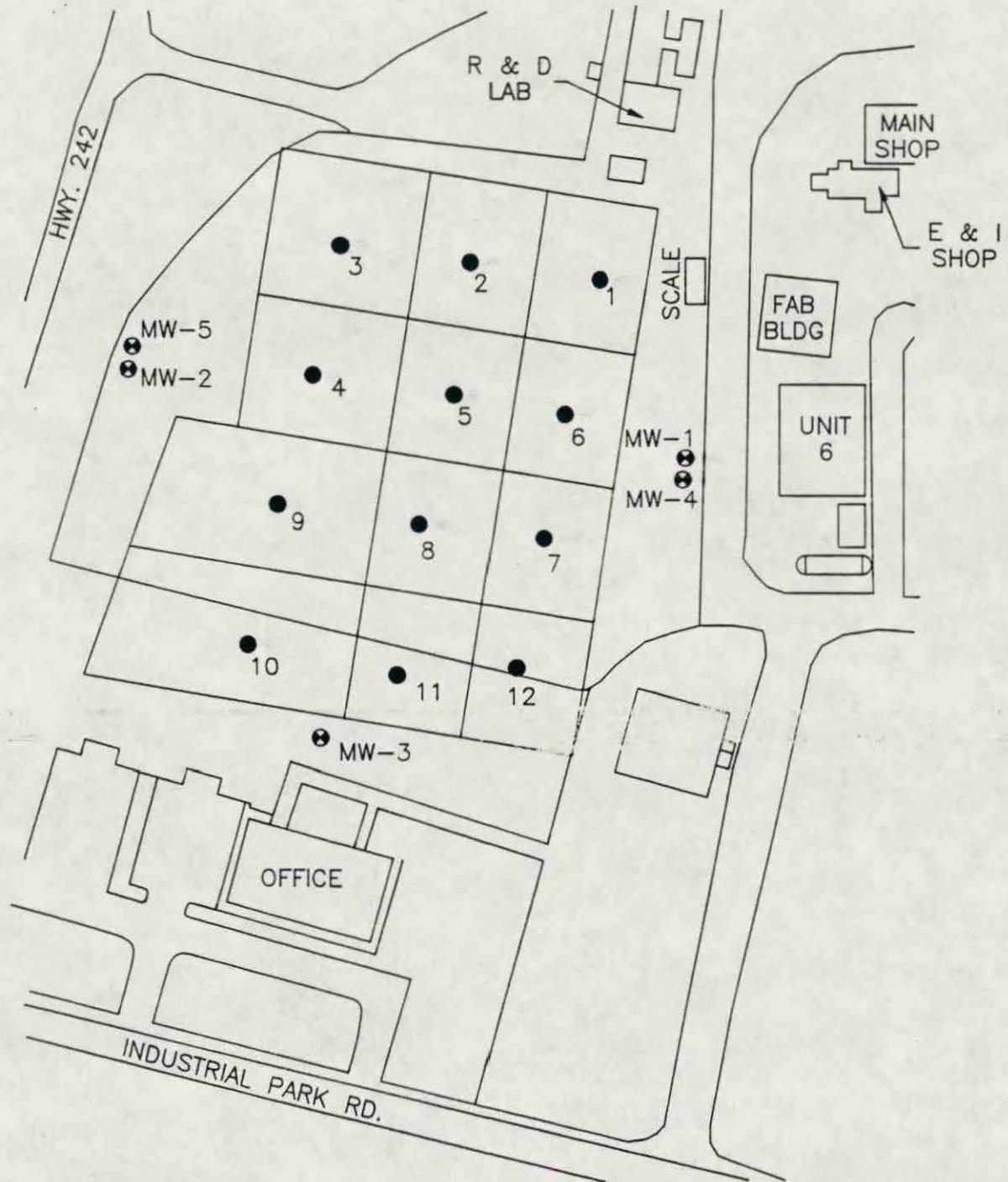
would be homogenized and submitted to the laboratory for the same analyses, thus establishing the vertical extent of contamination.

However, when the screening began, matrix interference problems were encountered during analysis with the chloride analyzer. Once it was determined that the data obtained from this screening method were unusable, the sample collection and screening procedures were changed and conducted in the same manner described in the Sampling Procedure section. All Site 2 soil borings were installed to a depth of 30 feet, except CED2SB3 which was terminated at 25 feet.

All samples selected for chemical analysis were submitted to the laboratory for analysis VOCs, SVOCs, pesticides and RCRA metals.

Three groundwater monitoring wells were proposed for installation around the periphery of the treatment ponds at Site 2. Again, as with Site 1, a perched zone was encountered at approximately 12 feet at two of the three proposed well locations. Two shallow wells (CED2MW-1 and CED2MW-2) at the east and west sites of the site were installed in the perched aquifer. No perched zone was encountered at the location for well CED2MW3. The remaining wells CED2MW-4 and CED2MW-5 were completed as Type III wells adjacent to wells CED2MW-1 and CED2MW-2, screened in the alluvial aquifer at 31 and 30 feet respectively.

The wells were purged and sampled for VOCs, SVOCs, pesticides, RCRA metals, ammonia, bicarbonate, chloride, fluoride, sulfate, nitrate, and cyanide. Monitoring wells CED2MW-1 and CED2MW-2 yielded very small volumes of water; therefore, these wells were sampled for select parameters only. CED2MW-1 was sampled for VOC and pesticide analysis, and CED2MW-2 was sampled for analysis of VOCs, SVOCs, pesticides and RCRA metals analysis. All boring and well locations for Site 2 are presented in Figure 4.



50            0            50  
SCALE FEET

- LEGEND**
- - MONITORING WELL
  - - SOIL BORING

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FIGURE 4  
SITE 2  
SAMPLING GRID, SOIL BORING AND  
MONITORING WELL LOCATION MAP

DWG DATE: 12/15/93 DWG NAME: CEDAR32

*Site 2 Data Summary*

The following tables present the analytical results for the samples collected at Site 2.

	CED2GWMW-1	CED2GWMW-1DL	CED2GWMW-2	CED2GWMW-3	CED2GWMW-4	CED2GWMW-5
<b>Detected VOCs (ppb)</b>						
1,2-Dichloroethane	29,000	29,000 J	U	120	500	U
4-Methyl-2-Pentanone	2,200 J	U	U	520	U	U
Toluene	940 J	4,700 J	U	U	470	U
Chlorobenzene	U	12,000 J	U	U	470	U
Total Xylenes	1,100 J	U	U	4.0 J	U	U
Acetone	4,800 J	3,400 J	U	430	U	U
Chloroform	700 J	U	U	340	U	3.0 J
Benzene	U	U	U	U	7.0 J	U
Methylene Chloride	470,000 R	600,000 J	U	460	720	U
<b>Detected SVOCS (ppb)</b>						
bis-(2-Ethylhexyl)phthalate	N/A	N/A	7.0 J	U	U	U
1,2-Dichlorobenzene	N/A	N/A	58	U	U	U
3,4-Dichloroaniline	N/A	N/A	220	U	U	U

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**Table 5**  
**Site 2**  
**Volatile Organics, Semivolatile Organics and Metals in Groundwater**

	CED2GWMW-1	CED2GWMW-1DL	CED2GWMW-2	CED2GWMW-3	CED2GWMW-4	CED2GWMW-5
<b>Metals Detected (ppm)</b>						
Iron	N/A	N/A	127,000	42,400 E	51,000 E	211,000
Lead	N/A	N/A	60.2	30.6 N	39.1	20.8
Magnesium	N/A	N/A	82,500	99,500	205,00	44,600
Mercury	N/A	N/A	0.23	U	U	U
Sodium	N/A	N/A	266,000	93,300	82,500	36,600
Arsenic	N/A	N/A	60.4	59.2	32.0 J	U
Barium	N/A	N/A	576	1,670	1,100	217.0
Cadmium	N/A	N/A	4.0 J	U	2.8	U
Chromium	N/A	N/A	102	28.5 J	61.7 J	18.8 J
Calcium	N/A	N/A	187,000 E	198,000	452,000	135,000
Selenium	N/A	N/A	U	U	6.0	U

**Notes:**

N/A = Not analyzed

U = Undetected

E = Estimated

R = Value is unusable

J = Compound detected but below contract required detection limit (estimated value)

N = Identification of tentatively identified compound is based on mass spectral library search

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**Table 8**  
**Site 2**  
**Volatile Organics in Soil (results in ppb)**

SAMPLE ID	1,2-Dichloroethane	Acetone	Chloroform	4-Methyl-2-Pentanone	Toluene	2-Butanone	Ethylbenzene	Total Xylenes	Chlorobenzene	Carbon Tetrachloride	Methylene Chloride	1,2-Dichloropropane
CED2SB1-4DL	1,000 J	1,400 J	U	U	U	U	U	U	U	U	13,000 J	U
CED2SB1-4	3,300 J	1,500 J	U	U	U	U	U	U	U	U	84,000 R	U
CED2SB1-6DL	4,100 J	U	U	U	U	7,700 J	U	U	U	U	110,000 J	U
CED2SB1-6	4,100	U	U	U	U	1,800 J	U	460 J	U	U	110,000 R	U
CED2SB10-4	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB11-6	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB2-5	70,000	U	U	U	U	U	U	U	U	U	340,000 R	U
CED2SB2-6DL	11,000 J	3,100 J	U	U	U	U	U	U	U	U	340,000 R	U
CED2SB2-6	9,600	1,100 J	U	U	U	U	U	U	U	U	U	U
CED2SB3-14	12.0	25.0	U	67.0	3.0 J	22.0	1.0 J	U	U	U	68.0	U
CED2SB3-26DL	43.0	U	18.0 J	420.0	U	U	14.0 J	81.0	U	U	1,800 J	U
CED2SB3-26	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB4-4DL	U	U	U	U	U	U	U	U	U	U	1,200 J	U
CED2SB4-4	270	1,000	18.0 J	180 J	1,200	U	10.0 J	49.0	26.0 J	U	12,000 R	U
CED2SB4-6	2,800	2,800 J	U	U	U	U	U	U	U	U	93,000 R	U
CED2SB4-6DL	U	U	U	U	U	U	U	U	U	U	100,000 J	U
CED2SB5-4DL	1,800 J	U	U	U	U	U	U	U	U	U	1,900 J	U
CED2SB5-4	7,100 R	150 J	250 J	20.0 J	27 J	U	120 J	550 J	14.0 J	U	18,000 R	32.0 J
CED2SB5-8DL	81,000 J	U	U	U	U	U	U	U	U	U	3,800,000 J	U
CED2SB5-8	110,000 J	U	U	U	U	U	U	U	U	U	4,700,000 R	U
CED2SB8-22	32000	U	U	U	U	U	U	U	U	U	170,000	U

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**Table 6**  
**Sites 2**  
**Volatile Organics in Soil (results in ppb)**

SAMPLE ID	1,2-Dichloroethene	Acetone	Chloroform	4-Methyl-2-Pentenone	Toluene	2-Butanone	Ethylbenzene	Total Xylenes	Chlorobenzene	Carbon Tetrachloride	Methylene Chloride	1,2-Dichloropropane
CED2SB8-4	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB8-8	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB8-27	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB8-28DL	170,000 J	U	U	U	U	U	U	U	U	U	820,000 J	U
CED2SB8-29	170,000 J	UJ	2,800 J	UJ	UJ	UJ	U	4,800 J	U	U	940,000 R	U
CED2SB7-3RE	11.0 J	U	U	12.0 J	4.0 J	U	U	U	U	U	U	U
CED2SB7-3	8.0 J	U	U	10.0 J	2.0 J	U	U	U	U	U	U	U
CED2SB7-6	U	2,400	280 J	U	20,000	U	U	U	U	U	U	U
CED2SB8-4DL	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB8-4	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB8-8	U	U	U	U	U	U	U	U	U	U	U	U
CED2SB8-27DL	2,900 J	U	12,000 J	U	5,300 J	U	U	2,200 J	U	U	93,000 J	U
CED2SB9-27	2,900 J	U	13,000 J	U	5,000 J	U	420 J	2,800 J	530 J	870 J	120,000 R	U
CED2SB9-5RE	11.0 J	22.0 J	2.0 J	U	18.0 J	U	3.0 J	18.0 J	3.0 J	U	11.0 J	U
CED2SB9-5	14.0 J	28.0 J	2.0 J	U	16.0 J	U	2.0 J	16.0 J	3.0 J	U	28.0 J	U
CED2SB10-4DL	U	U	U	U	390,000 J	U	U	U	U	U	U	U
CED2SB10-4	U	U	U	U	390,000 R	1,700 J	U	2,800 J	U	U	U	U
CED2SB10-6	U	U	84.0 J	20.0 J	1,100 J	U	U	U	U	U	U	U
CED2SB11-6DL	61.0 J	U	81.0 J	U	140 J	U	U	12.0 J	U	U	U	U
CED2SB11-6	40.0 J	U	39.0 J	U	90.0 J	U	U	7.0 J	U	U	U	U
CED2SB12-4DL	3,700 J	U	700 J	U	U	U	U	U	U	U	45,000 J	U
CED2SB12-4	3,400	U	620 J	U	170 J	U	U	U	U	U	41,000 R	U

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Table 6  
 Site 2  
 Volatile Organics in Soil (results in ppb)

SAMPLE ID	1,2-Dichloroethene	Acetone	Chloroform	4-Methyl-2-Pentanone	Toluene	2-Butanone	Ethylbenzene	Total Xylenes	Chlorobenzene	Carbon Tetrachloride	Methylene Chloride	1,2-Dichloropropene
CED2SB12-6DL	U	U	3,200 J	U	U	U	U	U	U	U	4,100 J	U
CED2SB12-8	63.0 J	U	1,100 J	60.0 J	30.0 J	U	U	U	U	U	1,300 R	U
CED2SB2-6D	19,000 J	U	U	U	U	U	U	U	U	U	46,000 J	U
CED2SB11-8	170 J	17,000	2,700	U	180.0 J	U	U	U	U	U	3,600 J	U

Notes:

U = Undetected  
 R = Value is unusable  
 J = Compound detected but below contract required detection limit (estimated value)

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Table 8  
 Site 2  
 Pesticides in Soil (results in ppb)

SAMPLE ID	Methoxychlor	Alpha BHC	Toxaphene	4,4'-DDT	gamma-Chlordane	Endrin	4,4'-DDD	Heptachlor	Beta BHC
CED2SB1-4	U	U	U	U	U	U	U	U	U
CED2SB1-6	U	U	U	U	U	U	U	U	U
CED2SB10-4D	63,000 J	U	U	U	U	U	U	U	U
CED2SB11-6	U	U	U	U	U	U	U	U	U
CED2SB2-6	U	U	U	U	U	U	U	U	U
CED2SB2-8	U	U	U	U	U	U	U	U	U
CED2SB3-14	U	U	U	U	U	U	U	U	U
CED2SB3-25	U	U	U	U	U	U	U	U	U
CED2SB4-4	230	9.8	U	U	U	U	U	U	U
CED2SB5-4	9,200 J	U	U	U	U	U	U	U	U
CED2SB4-6	U	U	U	U	U	U	U	U	U
CED2SB5-4DL	6,700 J	U	20,000 J	U	U	U	U	U	U
CED2SB5-6DL	180,000 J	U	U	U	U	U	U	U	U
CED2SB6-6	U	U	U	U	U	U	U	U	U
CED2SB8-22	18,000	U	U	420	150	340	180	110	U
CED2SB8-29	U	U	U	U	U	U	U	U	U
CED2SB8-4	U	U	U	U	U	U	U	U	U
CED2SB8-6	U	U	U	U	U	U	U	U	U
CED2SB9-27	U	U	U	U	U	U	U	U	U
CED2SB8-29DL	280,000 J	U	U	U	U	U	U	U	U
CED2SB7-3	U	14.0 J	U	U	U	U	U	U	U
CED2SB7-6DL	8,100 J	U	U	U	U	U	U	U	U
CED2SB7-8	U	U	U	U	U	U	U	U	U
CED2SB8-4DL	U	30.0	U	U	U	U	U	U	U
CED2SB8-6DL	1,900	U	U	U	U	U	U	U	U
CED2SB9-27DL	18,000 J	U	U	U	U	U	U	U	U
CED2SB9-27	U	U	U	U	U	U	U	U	U
CED2SB9-5DL	18,000	U	U	U	U	U	U	U	U
CED2SB9-6	U	U	U	U	U	U	U	U	U
CED2SB10-4	280,000	U	U	U	U	U	U	U	U
CED2SB10-6D	U	U	U	U	U	U	U	U	U
CED2SB10-6	U	U	U	U	U	U	U	U	U
CED2SB11-6	U	U	U	U	U	U	U	U	7.20
CED2SB12-4DL	6,800 J	21,000 J	U	U	U	U	U	U	U
CED2SB12-4	U	U	U	U	U	U	U	U	U

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Table 8 Site 2 Pesticides in Soil (results in ppb)									
SAMPLE ID	Methoxychlor	Alpha BHC	Toxaphene	4,4'-DDT	gamma-Chlordene	Endrin	4,4'DDD	Heptachlor	Beta BHC
CED2SB12-6DL	6,700 J	U	U	U	U	U	U	U	U
CED2SB12-6	U	U	U	U	U	U	U	U	U
CED2SB11-6	U	U	U	U	U	U	U	U	U
CED2SB6-22DL	16,000	U	U	420	150	340	180	110	U

Notes:

DL = Diluted sampled (value corrected for dilution)  
 U = Undetected  
 J = Compound detected but below contract required detection limit (estimated value)

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Table 9  
Site 2  
Metals in Soil (results in ppm)

SAMPLE ID	Lead	Arsenic	Barium	Cadmium	Chromium	Selenium	Silver
CED2SB1-4	12.3	10.7	140	0.29	13.5 J	U	U
CED2SB1-8	8.20	4.30	151	0.94	9.0 J	U	U
CED2SB2-6	12.2	9.4	206	U	16.4 J	U	U
CED2SB2-6	8.2	4.9	133	U	11.5	U	U
CED2SB3-14	11.4	8.6	228	U	10.5 J	U	U
CED2SB3-26	10.8	8	146	U	12.2 J	U	U
CED2SB4-4	14.2	7.2	219	U	17.1 J	U	U
CED2SB4-6	12.8	14.7	126	0.97	12.3 J	U	U
CED2SB5-4	7.1	9.1	152	U	9.7 J	U	U
CED2SB5-6	U	U	U	U	U	U	U
CED2SB6-22	13.8	6.6	181	1.1	6.5 J	U	U
CED2SB8-29	17.4	18.7	178	U	16.3 J	U	U
CED2SB8-29	12.6	3.7	98.8	0.73 6	13.7 J	U	U
CED2SB7-3	14.3	10.9	197	0.28	13.9 J	U	U
CED2SB7-8	17.2	12.1	102	0.30	18.4 J	U	U
CED2SB8-4	9.4	7.2	180	U	9.2 J	U	U
CED2SB8-6	10.8	27.7	174	U	19.9 J	0.68 J	U
CED2SB9-27	17.3	9.1	184	U	15.2 J	8	U
CED2SB9-6	8.8	10.7	88.7	.73 J	10.9 J	1.1 J	U
CED2SB10-4	12.1	8.8	202	0.76	13.0 J	U	U
CED2SB10-6	13.7	9.9	109	U	20.2 J	U	U
CED2SB11-5	17.7	8.8	188	0.53	18.4 J	U	U
CED2SB12-4	8.1	7.7	153	U	12.5 J	U	U
CED2SB12-6	8.1	24.4	86.1	0.26	13.0 J	U	U
CED2SB11-6	12.8	201	172	0.46	20.2 J	U	U

Notes:

DL = Diluted sampled (value corrected for dilution)

U = Undetected

J = Compound detected but below contract required detection limit (estimated value)

Table 10  
 Site 2  
 Volatile Organics in Monitoring Well Soils (ppb)

SAMPLE ID	1,2-Dichloroethane	4-Methyl-2-Pentanone	Toluene	Total Xylenes	Acetone	Chloroform	Methylene Chloride	2-Butanone	Chlorobenzene	Carbon Tetrachloride
CED2SMW2-2	U	U	U	U	U	U	U	U	U	U
CED2SMW2-4	U	U	U	U	U	U	U	U	U	U
CED2SMW3-4	35.0	9.0 J	29.0	3.0 J	35.0	190	250	U	U	U
CED2SMW3-5DL	U	U	U	U	3,100 J	390 J	380 J	U	U	U
CED2SMW3-5	74.0	50.0 J	140	U	3,200 R	1,200 R	890	35 J	U	U
CED2SMW3-7	110	1,000	190	U	2,700 J	10.0 J	26.0 J	U	U	U
CED2SMW1-4DL	43.0 J	U	U	U	U	U	320 J	U	U	U
CED2SMW1-4	63.0	U	6.0 J	8.0	U	5.0 J	520 R	U	8.0	16.0
CED2SMW1-5DL	U	U	U	U	U	U	25,000 J	U	U	U
CED2SMW1-5	1,400 J	50.0 J	U	29.0 J	140	21.0 J	19,000 R	U	25.0 J	U
CED2SMW1-7	U	33 J	U	U	U	U	160	U	U	U

Notes:

DL = Diluted sampled (value corrected for dilution)

U = Undetected

J = Compound detected but below contract required detection limit (estimated value)

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SAMPLE ID	Semivolatile Organics in Monitoring Well Soils (ppb)								
	4-Nitrophenol	Phenol	bis(2-Ethylhexyl) Phthalate	Di-n-Butylphthalate	1,2-Dichlorobenzene	3,4-Dichloroaniline	Benzoic Acid	Propanil	
CED2SMW3-5	U	U	U	U	U	U	U	U	U
CED2SMW3-7	U	U	U	U	U	U	U	U	U
CED2SMW1-4	U	U	U	110 J	U	U	U	U	330 J
CED2SMW1-5	U	750 J	U	U	U	U	U	540 J	260 J
CED2SMW1-7	U	170 J	U	U	U	U	U	U	U
CED2SMW2-2	U	U	U	U	U	U	U	U	460 J
CED2SMW2-4	U	U	U	U	U	U	U	U	U
CED2SMW3-4	U	U	U	U	U	U	U	U	90 J

Notes:

U = Undetected

J = Compound detected but below contract required detection limit (estimated value)

Table 12  
Site 2  
Pesticides in Monitoring Well Soils (ppb)

SAMPLE ID	Alpha BHC
CED2SMW2-2	4.4
CED2SMW2-4	U
CED2SMW3-4	U
CED2SMW3-5	U
CED2SMW3-7	U
CED2SMW1-4	U
CED2SMW1-5	U
CED2SMW1-7	U
CED2SMW2-2	U
CED2SMW3-4	U

Note:  
U = Undetected

Table 13  
Site 2  
Metals in Monitoring Well Soils (ppm)

SAMPLE ID	Lead	Arsenic	Barium	Cadmium	Chromium	Selenium
CED2SMW2-2	21.2	7.6	197	U	15.4	U
CED2SMW2-4	14.6	12.2	178	0.51 J	18.3	U
CED2SMW3-4	9.7	10.8	151	U	13.9	U
CED2SMW3-5	10.0	11.3	133	0.44 J	15.0	U
CED2SMW3-7	6.70	6.10	87.8	U	8.40	U
CED2SMW1-4	9.30 J	10.5 J	187	0.75 J	9.7 J	U
CED2SMW1-5	7.10 J	9.0 J	158	U	11.1 J	U
CED2SMW1-7	9.20 J	5.0 J	83.8	0.47 J	13.9 J	0.75 J

Notes:

U = Undetected

J = Compound detected but below contract required detection limit (estimated value)

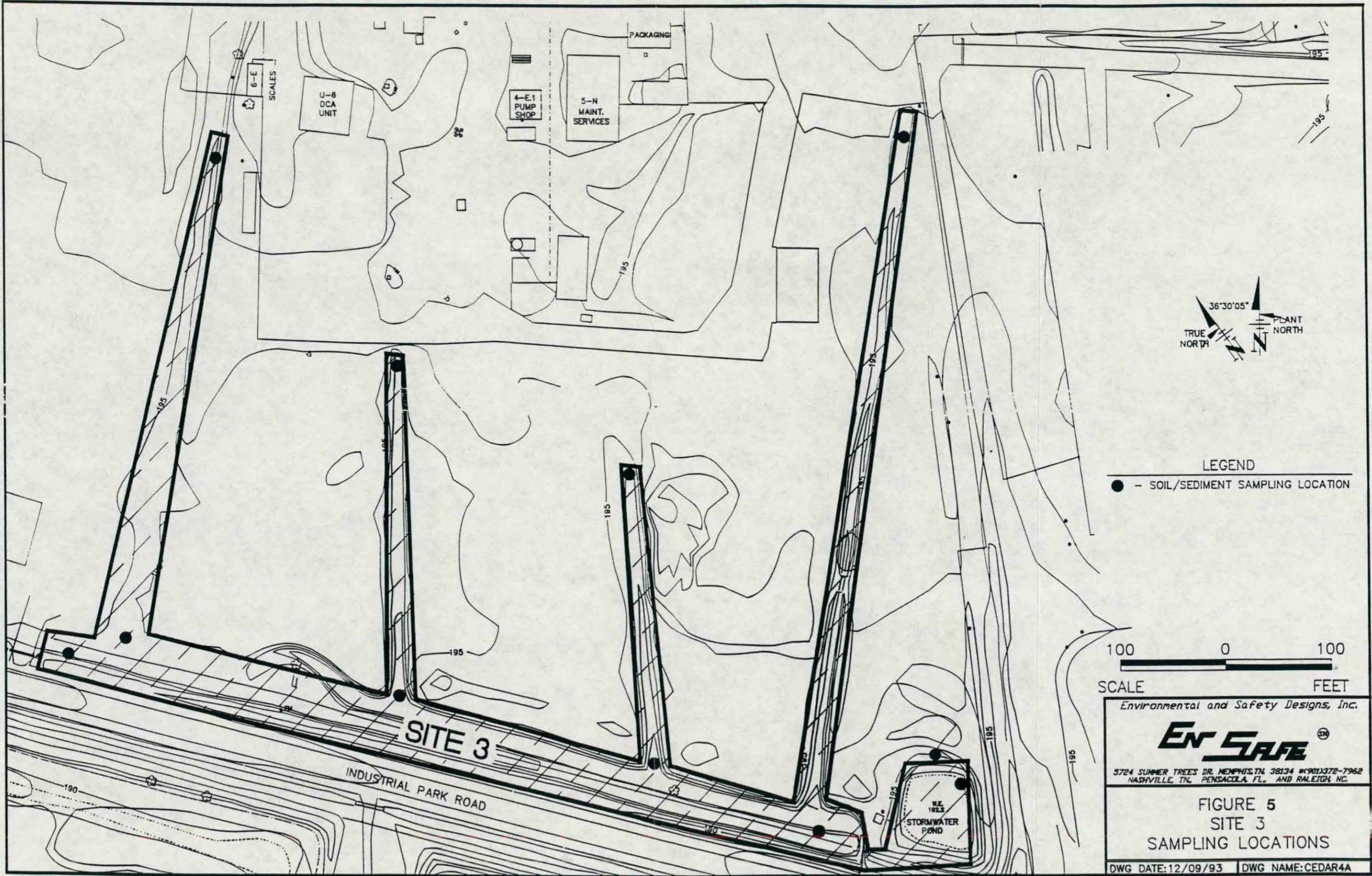
### SITE 3 - SWMUs 59 & 60

#### *Field Work Summary*

Site 3 includes two SWMUs which comprise the stormwater drainage system for the facility. All stormwater runoff at the facility is collected in four stormwater ditches (SWMU 59) which flow through the interior of the property to the southwest. These ditches all drain into a larger stormwater ditch located adjacent to Industrial Park Road. Which flows south into the stormwater sump (SWMU 60). The contents of the sump are eventually pumped into the wastewater treatment system directly across Industrial Park Road. If a storm produces stormwater runoff exceeding the capacity of the sump, the excess stormwater is discharged into the industrial park drainage ditch through NPDES permitted outfall #001.

The Facility Investigation work plan required the collection of surface soil or sediment samples from the drainage ditches associated with Site 3. Any potential groundwater contamination associated with Site 3 will be detected in the pre-existing monitoring wells.

Eleven locations were sampled with a stainless steel hand auger or a petite ponar grab. All sampling locations for Site 3 are presented in Figure 5.



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*Site 3 Data Summary*

The Following tables present the analytical results of the samples collected at Site 3.

Table 14 Site 3 Pesticides in Sediment Samples (Results in ppb)						
Detected Pesticides	Methoxychlor	4,4'-DDT	4,4'-DDD	4,4'-DDE	Aldrin	Dieldrin
CED3SED-1D	3600	U	U	U	U	U
CED3SED-1	U	U	U	U	U	U
CED3SED-2	260	U	39	6.6	U	12
CED3SED-3DL	2400	U	U	U	354	1800
CED3SED-3	U	U	U	U	U	U
CED3SED-4	U	U	U	7.9	U	2.9
CED3SED-5DL	U	U	U	U	U	57
CED3SED-5	U	U	U	U	U	U
CED3SED-6DL	740	U	U	U	U	86
CED3SED-6	U	U	U	U	U	U
CED3SED-7DL	890	U	U	U	U	200
CED3SED-7	U	U	U	U	U	U
CED3SED-8DL	1300	U	U	U	U	34
CED3SED-8	U	U	U	U	U	U
CED3SED-9	U	U	U	U	U	4.5
CED3SED-10	U	22 J	54 J	50 J	U	U

**Notes:**

- J - Compound detected but below the contract required quantitation limit (the value given is an estimate)
- U - Compound analyzed but not detected

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Table 15 Site 3 Semivolatiles in Sediment Samples (Results in ppb)													
Detected SVOCs	4-Nitrophenol	Propanil	Di-n-butyl-phthalate	3,4-Dichloro-aniline	Dinoseb	Naphthalene	2-Methyl-naphthalene	1,2-Dichloro-benzene	Di-n-octyl phthalate	4-Chloro-aniline	1,2,4-Trichloro-benzene	Penta-chlorophenol	
CED3SED-1	360 J	U	U	550 JB	8300 B	U	U	U	U	U	U	U	6,300
CED3SED-2	U	110 J	U	2800	2300 J	U	U	U	U	U	190 J	230 J	200 J
CED3SED-3	U	44 J	U	1300	U	U	U	300 J	U	600 J	92 J	U	
CED3SED-4	U	U	U	U	U	U	U	U	U	U	U	U	U
CED3SED-5	U	U	U	100000	330	88	550	120	U	U	U	U	U
CED3SED-6	U	U	U	400	U	U	U	U	U	U	U	U	U
CED3SED-7	U	98	U	370	730	U	U	U	U	U	U	U	U
CED3SED-8	U	U	U	840	U	U	U	U	U	180	U	U	U
CED3SED-9	U	U	U	310	U	U	U	U	U	U	U	U	U
CED3SED-10	U	U	U	U	U	U	U	U	U	U	U	U	U

**Notes:**

- J - Compound detected but below the contract required quantitation limit (the value given is an estimate)
- U - Compound analyzed but not detected
- B - Compound was found in the method blank

Detected Metals	Metals in Sediment Samples (Results in ppm)			
	Lead	Arsenic	Barium	Chromium
CED3SED-1	7.4	6.5	114	9.5
CED3SED-2	13.9	6.6	138	16.6
CED3SED-3	9.5	4.5	95.6	16.1
CED3SED-4	9	3.6	87.2	12.3
CED3SED-5	9.9	7.2	114	11.2
CED3SED-6	12.2	12.5	123	19.1
CED3SED-7	11.5	6.6	143	15.8
CED3SED-8	7.5	9.3	112	10.3
CED3SED-9	10.9	222	150	12.1
CED3SED-10	11	4.3	215	8 J

**Notes:**

- J - Compound detected but below the contract required quantitation limit  
(the value given is an estimate)
- U - Compound analyzed but not detected
- B - Compound was found in the method blank

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Detected Metals	Volatile in Sediment Samples (Results in ppb)					
	Ethylbenzene	1,2 - Dichloroethane	Total Xylenes	Methylene Chloride	Chlorobenzene	Acetone
CED3SED-1	U	U	U	U	U	U
CED3SED-2	U	U	U	U	34	U
CED3SED-3	U	U	U	U	11	130
CED3SED-4	U	U	U	U	U	U
CED3SED-5	7	U	44	U	U	U
CED3SED-6	U	U	U	U	U	U
CED3SED-7	U	U	U	U	U	U
CED3SED-8	U	U	U	U	U	U
CED3SED-9	U	U	U	U	U	U
CED3SED-10	2 J	43	12	160	U	U

**Notes:**

J - Compound detected but below the contract required quantitation limit (the value given is an estimate)

U - Compound analyzed but not detected

## SITE 4 (SWMUs 3 AND 74)

### *Field Work Summary*

Site 4 includes two SWMUs, the railroad loading/unloading area (SWMU 74) and an abandoned railroad loading and unloading sump (SWMU 3). Both are in an area between the railroad spur and the main tank farm where raw materials and final products are transferred between the tank farm and railroad cars. The presence of staining in this area indicates that releases may have occurred during transfer operations in the past.

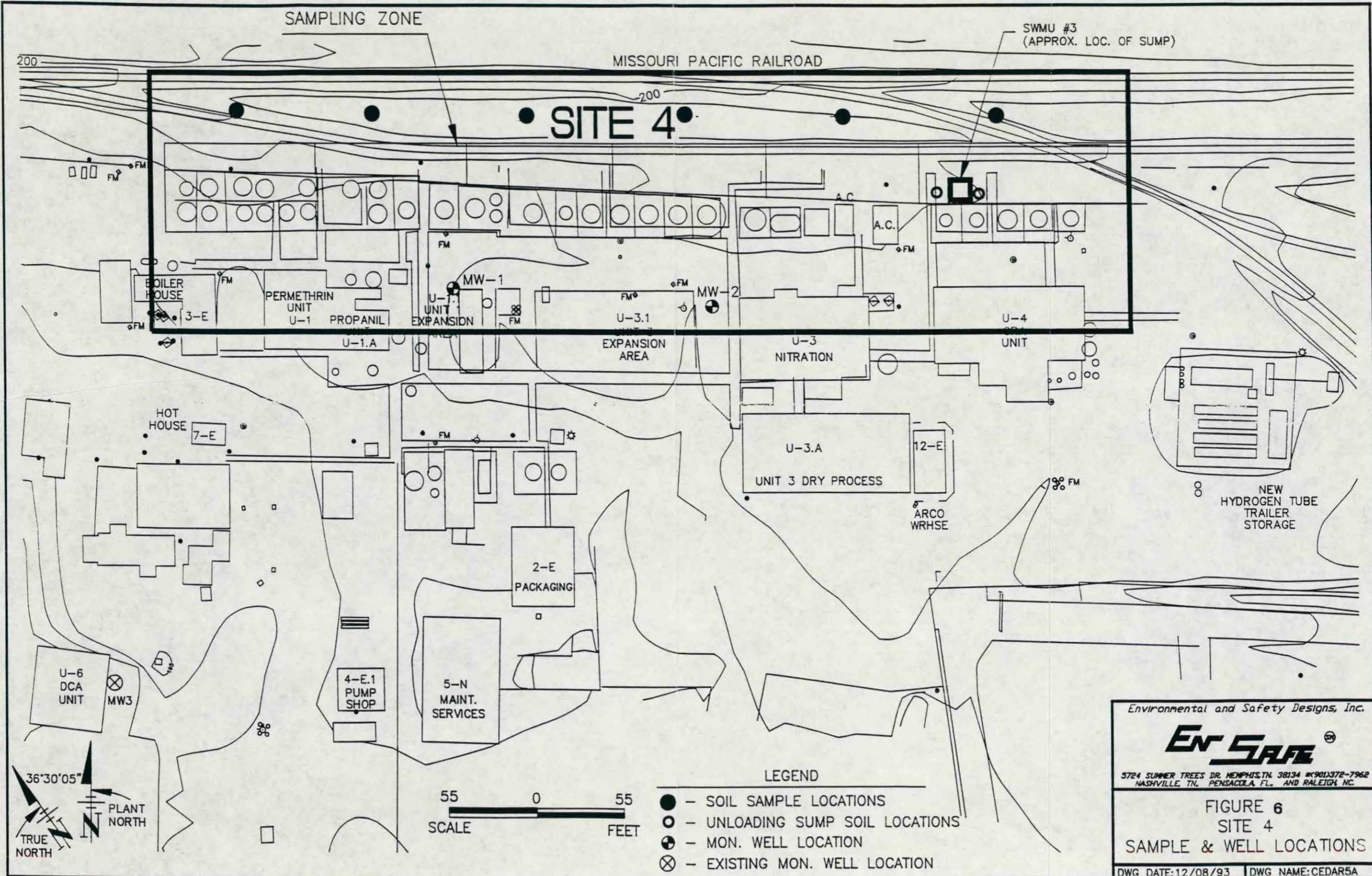
Site 4 consists of the former railroad unloading area along the north side of the facility, and an abandoned unloading sump. The work plan called for the sampling of six locations along the rail spur and two locations on either side of the abandoned sump. Two groundwater monitoring wells were also proposed for this site.

Six locations (CED4SHA1 through CED4SHA6) were sampled in a line parallel to the rail spur (SWMU 74) along the northern property boundary. Two samples were collected from each sampling location with a stainless steel hand auger at intervals of 0-12 inches and 12-24 inches. Six samples were collected from two sampling locations (CED4HA-7 and CED4HA-8) adjacent to the abandoned sump (SWMU 3). The sump was approximately 3 to 4 feet deep when in operation; therefore, each hand auger boring was advanced to approximately 5 feet before sample collection commenced. This ensured a sample of native soil from beneath the sump bottom. Samples were collected at intervals of 5 to 6 feet, 6 to 7 feet and 7 to 8 feet. Soil samples were also collected from the two monitoring wells installed at Site 4.

Two Type III groundwater monitoring wells were installed at Site 4. Well number CED4MW-1 was installed in the propanil unit U-1 expansion area and CED4MW-2 was installed in the roadway between the Unit 3 expansion area and the Nitration unit. Both wells were completed as flush mount wells. The surface casings for the two wells (CED4MW-1 and CED4MW-2) were set into the clay confining unit encountered at 20 feet. The boring for the surface casing

was advanced to 20 feet and the casing was pressed approximately 1 foot and sealed with bentonite pellets. The annulus between the borehole and the casing was then grouted to ground surface and allowed to cure before the well was installed. The wells were screened in the confined aquifer from 27 to 37 feet.

A pocket of gas was encountered during installation of monitoring well number CED4MW-1. Once the confining unit was penetrated, a large volume of gas began blowing through the augers. Because the type of gas was unknown, the boring was grouted to the top of the confining unit until an EnSafe Health and Safety Officer (HSO) was available to come to the site. Once the HSO was onsite, the borehole was again advanced to beneath the confining unit. Again a high volume of gas was blowing from the hole. Benzene, toluene, and xylene Drager tube samples collected from the gas stream indicated respective concentrations of 2 ppm, 125 ppm, and 75 ppm. The borehole was allowed to vent while well number CED4MW-2 was installed. Upon completion of well CED4MW-2, the gas discharge had diminished and well CED4MW-1 was installed. Later when well CED4MW-1 was sampled, the pressure had build up again. All sampling and well locations are presented in Figure 6.



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**FIGURE 6**  
**SITE 4**  
**SAMPLE & WELL LOCATIONS**

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### *Site 4 Data Summary*

The following tables present the analytical results for samples collected at Site 4.

<b>Table 18</b> <b>Site 4</b> <b>Metals, Pesticides, VOCs and Semivolatile Organics in Monitoring Well Soils</b>							
	CED4SMW1-3DL	CED4SMW1-3	CED4SMW1-6DL	CED4SMW1-6	CED4SMW2-1	CED4SMW2-6	CED4SMW1-3
<b>Metals (ppm)</b>							
Lead	U	30	U	11	9.1	11.3	U
Silver	U	U	U	U	U	U	U
Arsenic	U	9.4	U	15.5	6	1.3	U
Barium	U	218	U	95.2	112	109	U
Cadmium	U	U	U	U	U	U	U
Chromium	U	12.4 J	U	14.9 J	10.9 J	11.5 J	U
Selenium	U	U	U	U	U	0.64 J	U
<b>Pesticides (ppb)</b>							
Dieldrin	5.7	U	U	U	U	U	U
Methoxychlor	460	U	U	U	U	U	U
<b>VOCs (ppb)</b>							
Ethylbenzene	U	9 J	U	U	U	U	U
1,2-Dichloroethane	U	120	370 J	U	U	U	U
4-Methyl-2-Pantanone	U	31 J	U	U	U	U	U
Toluene	58000 J	11000 R	670 J	U	2 J	U	U
Chlorobenzene	U	U	U	U	U	U	U
Total Xylenes	U	96	U	U	U	U	U
Acetone	U	99	U	U	27	U	U
Chloroform	U	12 J	U	U	U	U	U
Benzene	U	29	U	U	U	U	U
Methylene chloride	460 J	130	1300	U	U	9.0	U
2-Butanone	U	U	2600	U	60	U	U
<b>SVOCs (ppb)</b>							
4-Nitrophenol	U	U	U	2.0 J	U	U	U
Phenol	U	U	U	2.0 J	U	U	U
Dimethyl Phthalate	U	U	U	U	U	U	U
Propanil	U	64 J	U	64 J	U	U	U

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Table 18 Site 4 Metals, Pesticides, VOCs and Semivolatile Organics In Monitoring Well Soils							
	CED4SMW1-3DL	CED4SMW1-3	CED4SMW1-6DL	CED4SMW1-6	CED4SMW2-1	CED4SMW2-6	CED4SMW1-3
Dinoseb	U	6300		U	18,000	45 J	U
2-Methylphenol	U	U		2.0 J	U	U	U
3,4-Dichloroaniline	U	U		12 J	U	U	U
Dinoseb	U	U		U	U	U	U
2-Chlorophenol	U	U		U	U	U	U

Notes:

U - Undetected  
 J - Compound detected but below contract required detection limit (estimated value)

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Metals (ppm)	Lead	Arsenic	Barium	Chromium	Selenium
CED4SHA1-1	5.6	5.2 J	101	11.7 J	.53 R
CED4SHA1-2	6.9	5 J	72.6	10.6 J	.58 R
CED4SHA1-3	7.4	3.3 J	111	12 J	.57 R
CED4SHA2-1	7.7	3.8 J	94.1	14.3 J	.54 R
CED4SHA2-2	9.3	3.8 J	91.1	14.2 J	.59 R
CED4SHA2-3	8.3	4.4 J	86.6	14.1 J	.58 R
CED4SHA3-1	3.9 J	3.4 R	54	.44	10.6
CED4SHA4-1	5.5 J	4.1 R	52.8	.44	10.2
CED4SHA4-2	8.6 J	7.2 R	80.9	8.6	18000 J
CED4SHA4-3	9 J	7.5 R	96.8	11.4	1800
CED4SHA4-3D	8.7 J	9.8 R	79.7	13.5	430
CED4HA5-1	13	4.6	76.3	19.1	U
CED4HA5-3	6.9	3.1	11.3	14.2	U
CED4HA5-2	8.8	4.1	93.5	18.1	U
CED4SHA6-1	10.2 J	4.4 R	76.2	.37	13.9
CED4SHA6-2	U	U	U	U	U
CED4SHA7-1	10.5 J	6.8 R	106	17.8	U
CED4SHA7-2	11.1 J	7.4 R	118	14.7	U
CED4SHA7-3	9 J	6.2 R	127	11.3	U
CED4SHA8-1	11.4 J	7 R	113	18.2	U
CED4SHAB-2	12.5 J	8.3 R	118	14.7	U
CED4SHAB-3	10.5 J	6.6 R	95.9	13.2	U

**Notes:**

U - Analyte was analyzed for but not detected

J - Estimated value

R - Value is unusable

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Pesticides (ppb)	4,4-DDE	Alpha BHC	Methoxychlor	4,4'DDD	4,4'-DDT	Dieldrin	Endosulfan II	Endrin Ketone	Beta BHC
CED4SHA1-1	6.5	U	U	U	U	U	U	U	U
CED4SHA1-2	25	8.1	1200	33	U	U	U	U	U
CED4SHA1-2DL	U	U	8100 J	U	U	U	U	U	U
CED4SHA1-3	U	U	U	U	U	U	U	U	U
CED4SHA1-3RE	37	U	U	84	19	50	U	U	6.1
CED4SHA1-3RED	U	U	5700	U	U	U	U	U	U
CED4SHA2-1	56	U	11000	U	260	U	U	U	U
CED4SHA2-1DL	U	U	15000 J	U	U	U	U	U	U
CED4SHA2-2	150	U	U	120	430	U	72	770	U
CED4SHA2-2DL	U	U	74000 J	U	U	U	U	U	U
CED4SHA2-3	75	U	11000	U	170	U	U	U	U
CED4SHA2-3DL	U	U	15000 J	U	U	U	U	U	U
CED4SHA3-1DL	U	U	8400	U	U	U	U	U	U
CED4SHA3-1	52 J	U	1100 J	U	U	U	U	U	U
CED4SHA4-1DL	U	U	12000	U	U	U	U	U	U
CED4SHA4-1	25 J	U	1100 J	U	U	1.6 J	3.4 J	U	U
CED4SHA4-2	U	U	26000 J	U	U	U	U	U	U
CED4SHA4-2	280 J	U	16000 J	U	U	U	U	U	U
CED4SHA4-3	U	U	1600	U	U	U	U	U	U
CED4SHA4-3D	U	U	430	U	U	U	U	U	U

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Pesticides (ppb)	4,4-DDE	Alpha BHC	Methoxychlor	4,4'DDD	4,4'-DDT	Dieldrin	Endosulfan II	Endrin Ketone	Beta BHC
CED4HA5-1	U	U	U	U	U	U	U	U	U
CED4HA5-3	U	U	U	U	U	U	U	U	U
CED4HA5-2	59	60	2600	140	150	U	U	U	U
CED4HA5-3D	19	U	U	U	U	U	U	U	U
CED4HA5-1D	19 J	U	2800 J	44 J	240 J	U	U	U	U
CED4SHA6-1DL	U	U	9400	U	U	210	U	U	U
CED4SHA6-1	36	14 J	1000	33	100	190	U	32	U
CED4SHA6-2	U	U	34000	U	U	890 J	U	U	U
CED4SHA6-2	110 J	U	U	140 J	450 J	630 J	U	U	U
CED4SHA7-1	U	U	U	U	U	U	U	U	U
CED4SHA7-2	U	U	U	U	U	U	U	U	U
CED4SHA7-3	U	U	U	U	U	U	U	U	U
CED4SHAB-1	U	U	U	U	U	U	U	U	U
CED4SHAB-2	U	U	U	U	U	U	U	U	U
CED4SHAB-3	U	U	U	U	U	U	U	U	U

Notes:

U - Compound was analyzed for but not detected

J - Estimated value

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Table 21  
 Site 4  
 Semivolatiles in Hand Auger Soils

Semivolatiles (ppb)	Propanil	Dinoseb	3,4-Dichloroaniline	Di-n-Butylphthalate	bis(2Ethylhexyl) phthalate	Dimethyl Phthalate	4-Chloroaniline	1,2,4-Trichlorobenzene	Pyrene	Fluoranthene	1,2-Dichlorobenzene
CED4SHA1-1	U	U	U	U	U	U	U	U	U	U	U
CED4SHA1-2	U	U	1800	U	U	U	U	U	U	U	U
CED4SHA1-3	410 J	740 J	4900 J	U	U	U	U	U	U	U	U
CED4SHA2-1	U	500000 J	U	U	U	U	U	U	U	U	U
CED4SHA2-2DL	U	1100000 J	U	U	U	U	U	U	U	U	U
CED4SHA2-2	U	1300000	7400	2700	U	U	U	U	U	U	U
CED4SHA2-3DL	U	470000 J	U	U	U	U	U	U	U	U	U
CED4SHA2-3	U	480000 R	U	U	U	U	U	U	U	U	U
CED4SHA3-1	U	U	U	U	U	U	U	U	U	U	U
CED4SHA4-1	U	U	U	U	150	94	U	U	U	U	U
CED4SHA4-2	U	U	U	U	300	U	12000	470 J	110 J	130 J	160 J
CED4SHA4-3	U	U	U	U	U	U	4500	U	U	U	U
CED4SHA4-3D	U	U	U	U	U	U	1100 J	U	U	U	350 J
CED4HA5-1	690 J	1400 J	85,000	U	U	U	8600	U	U	U	1500 J
CED4HA5-3	130,000	820,000	400,000	U	U	U	U	U	U	U	U
CED4HA5-2	48,000 J	30,000	2,500,000 J	U	U	U	9,100	U	U	U	1700 J
CED4SHA6-1DL	U	U	4000000 J	U	U	U	U	U	U	U	U
CED4SHA6-1	2500	190000	U	400 J	1700	U	U	U	U	U	3700 J
CED4SHA6-2	U	12000000 J	U	U	U	U	U	U	U	U	U

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Semivolatiles (ppb)	Propanil	Dinoesb	3,4-Dichloroaniline •	Di-n-Butylphthalate	bie (2Ethylhexyl) phthalate	Dimethyl Phthalate	4-Chloroaniline	1,2,4 Trichloro benzene	Pyrene	Fluoranthene	1,2 Dichloro- benzene
CED4SHA7-1DL	U	840000	U	U	U	U	U	U	U	U	U
CED4SHA7-1	U	420000	U	18000 J	U	180 J	U	U	U	U	120 J
CED4SHA7-2DL	U	98000 J	U	U	U	U	U	U	U	U	U
CED4SHA7-2	U	87000 R	U	U	U	U	U	U	U	U	U
CED4SHA7-3	U	18000 J	U	U	U	U	U	U	U	U	U
CED4SHA7-3	U	34000 R	U	U	U	U	U	U	U	U	U
CED4SHA8-1DL	U	91000 J	U	U	U	U	U	U	U	U	U
CED4SHA8-1	U	130000 R	U	U	U	U	U	U	U	U	U
CED4SHA8-2DL	U	73000 J	U	U	U	U	U	U	U	U	U
CED4SHA8-2	U	90000 R	U	U	U	U	U	U	U	U	U
CED4SHA8-3	U	26000 J	U	U	U	U	190	U	U	U	U
CED4SHA8-3	U	U	25000 R	U	U	170	U	U	U	U	U

Notes:

- U - Compound was analyzed for but not detected
- J - Estimated value
- R - Data is unusable

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Table 22  
 Site 4  
 Volatiles in Hand Auger Soils

Volatiles (ppb)	Total Xylenes	Ethylbenzene	Toluene	Acetone	2-Butanone	Chlorobenzene	Carbon disulfide	1,2-Dichloroethane	Chloroform	Methylene chloride	1,1-Dichloroethane	4-Methyl 2-Pentanone	Benzene
CED4SHA1-1	3	U	U	U	U	U	U	U	U	U	U	U	U
CED4SHA1-2	U	U	U	U	U	U	U	U	U	U	U	U	U
CED4SHA1-3	U	U	U	U	U	U	U	U	U	U	U	U	U
CED4SHA2-1	13	4 J	8	19	17	U	U	U	U	U	U	U	U
CED4SHA2-2	340 J	150	500	U	43	7 J	120	U	U	U	U	U	U
CED4SHA2-3	270 J	110	290	U	U	U	68	U	U	U	U	U	U
CED4SHA3-1	U	U	U	U	9 J	U	U	U	U	U	U	U	U
CED4SHA4-1	U	U	U	170	12	U	U	U	U	U	U	U	U
CED4SHA4-2	U	U	45 J	31	17	U	U	25	U	1 J	U	U	U
CED4SHA4-3DL	U	U	220 J	20	U	U	15 J	320 J	26	3	U	U	U
CED4SHA4-3	1	U	230	20	18	U	16	350 R	25	3	2 J	U	U
CED4SHA4-3D	U	U	230	U	U	U	16	U	28	3	U	U	U
CED4SHA5-1	76	7 J	360 J	U	U	3 J	U	U	U	U	U	18 J	U
CED4SAH5-3	3000	110	2700	110	28	35	U	U	U	5 J	U	120	2 J
CED4HA5-2	71 J	U	830	U	28	U	U	U	U	U	U	32 U	U
CED4HA5-3	4400	U	10000	U	U	U	U	U	U	U	U	U	U
CED4SHA6-1	36 J	U	5	U	U	U	U	U	U	U	U	U	U
CED4SHA6-2	290	8 J	100	130	54	3 J	U	U	U	U	U	U	U
CED4SHA7-1	U	U	U	U	U	U	U	U	U	U	U	U	U
CED4SHA7-2	U	U	U	12	U	U	U	U	U	U	U	U	U

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Table 22  
 Site 4  
 Volatiles In Hand Auger Soils

Volatiles (ppb)	Total Xylenes	Ethylbenzene	Toluene	Acetone	2-Butanone	Chlorobenzene	Carbon disulfide	1,2-Dichloroethane	Chloroform	Methylene chloride	1,1-Dichloroethene	4-Methyl 2-Pentanone	Benzene
CED4SHA7-3	U	U	U	12	U	U	U	U	U	U	U	U	U
CED4SHAB-1	U	U	U	U	U	U	U	U	U	U	U	U	U
CED4SHA8-2	U	U	U	U	U	U	U	U	U	U	U	U	U
CED4SHAB-3	U	U	U	U	U	U	U	U	U	U	U	U	U

**Notes:**

U - Compound was analyzed for but not detected

J - Estimated value

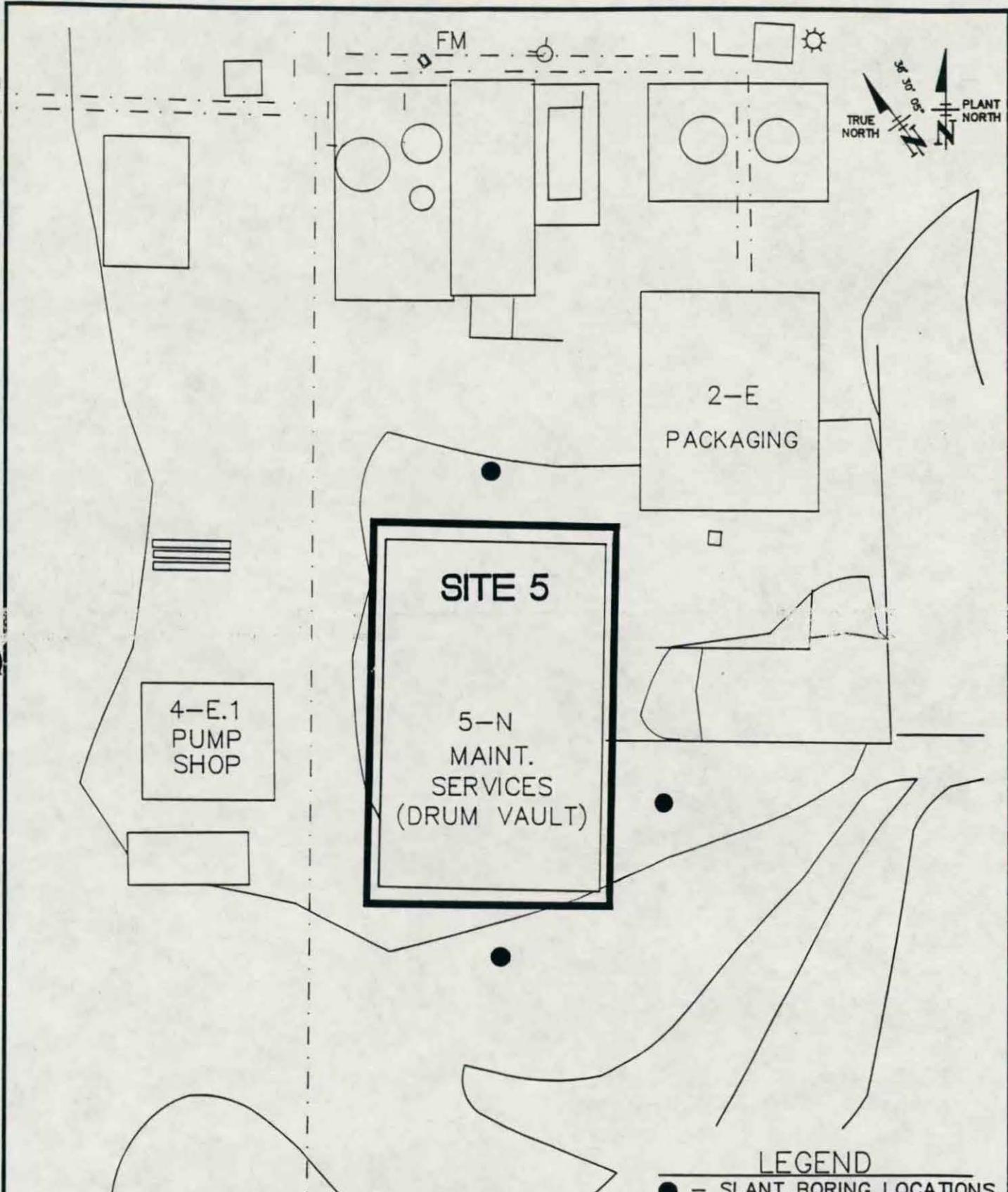
R - Data is unusable

## SITE 5 - DRUM VAULT

### *Field Work Summary*

This site includes one SWMU, the drum vault, which is located under the maintenance services warehouse. The vault reportedly consists of concrete walls and floor. The concrete cap forms the floor of the warehouse. Facility personnel state that they observed sand being placed around the drums, completely filling all space in the vault so the sand could serve as a sub-floor for the concrete slab in the new warehouse.

Because the contents and conditions of the drums in the vault are unknown, three slant borings were proposed to be installed and sampled around the building. The boring locations proposed in the work plan were changed due to overhead obstructions on the west side of the warehouse. To collect soil samples from beneath the floor of the warehouse without drilling through the drum vault, slant borings were installed along the perimeter of the building. The borings were positioned 11 feet from the building. The augers were advanced 16 feet at a 45° angle before the first sample was collected from approximately 5 feet below the bottom of the drum vault. The second samples were collected at 16 feet, approximately 11 feet beneath the exterior floor of the drum vault. All boring locations are presented in Figure 7.



15' 0 15'

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FIGURE 7  
SITE 5  
SLANT SOIL BORING  
LOCATIONS

DWG DATE: 12/09/93 DWG NAME: CEDAR6A

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*Site 5 Data Summary*

The following table presents the analytical results for samples collected at Site 5.

<b>Table 23</b> <b>Site 5</b> <b>Volatile and Semivolatile Organics, Pesticides and Metals in Soils</b>										
	CED6SB1-1	CED6SB1-2	CED6SB2-1	CED6SB2-1DL	CED6SB2-2	CED6SB2-2DL	CED6SB3-1	CED6SB3-2	CED6SB3-2DL	
<b>Detected VOCs (ppb)</b>										
Total Xylenes	U	20.0	31.0	U	U	U	U	6.0 J	U	
Methylene Chloride	U	140.0	8.0	U	U	U	U	U	U	
Acetone	U	U	21,000 R	6,800 J	3,900 J	3,200 J	U	8,600 R	21,000 J	
2-Butanone	U	U	22,000 R	21,000 J	53,000 R	44,000 J	U	U	U	
Ethylbenzene	U	U	3.0 J	U	U	U	U	U	U	
4-Methyl-2-Pentanone	U	U	35.0 J	U	U	U	1.0 J	170	U	
Toluene	U	U	210.0	U	300 J	U	U	6.0 J	U	
1,2-Dichloroethane	U	U	U	U	U	U	U	4.0 J	U	
Chloroform	U	U	U	U	U	U	U	4.0 J	U	
<b>Detected SVOCS (ppb)</b>										
Propanil	U	U	U	U	U	U	U	U	U	
3,4-Dichloroaniline	U	1,200	U	U	U	U	U	U	U	
Dinoseb	U	U	15,000 R	170,000 J	69,000 R	57,000 J	U	U	U	
2,4-Dinitrophenol	U	U	23,000 R	U	49,000 R	49,000 J	U	U	U	
4,6-Dinitro-2-Methylphenol	U	U	200 J	U	U	U	U	U	U	
<b>Detected Pesticides (ppb)</b>										
Alpha-BHC	U	U	U	U	6.8	U	U	U	U	
Gamma-BHC	U	U	U	U	8.2	U	U	U	U	
Endosulfan II	U	U	12.0	U	5.9	U	U	U	U	

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	CED6SB1-1	CED6SB1-2	CED6SB2-1	CED6SB2-1DL	CED6SB2-2	CED6SB2-2DL	CED6SB3-1	CED6SB3-2	CED6SB3-2DL
<b>Detected Metals (ppm)</b>									
Lead	8.4	10.4	9.4 J	U	8.3 J	U	9.5 J	10.0 J	U
Arsenic	7.4 J	9.1 J	7.8 R	U	7.9 R	U	8.5	8.7	U
Barium	128	147 J	168	U	134	U	126	141	U
Cadmium	U	U	U	U	U	U	U	0.4	U
Chromium	9.6 J	11.2 J	11.7	U	10.4	U	9.1	10.2	U

**Notes:**

U - Compound was analyzed for but not detected

J - Estimated value

R - Data is unusable

## SITE 6 - AREA OF CONCERN 1

### *Field Work Summary*

This site includes several areas of the plant facility where yellow staining is periodically observed. The staining is believed to be the result of a former operator of the site discharging Dinoseb or Dinoseb-contaminated wastewater directly onto site soils. The staining appears to be dispersed across the non-production area of the site with some areas more heavily stained than others.

Site 6 was divided into approximately 200' x 200' feet grids. One soil boring was installed within each sampling grid. Ten samples were collected from the sampling grid. Samples from grid I were collected during the interim measures sampling in April. The soil borings installed for Site 9 provide sufficient soil data for grid B. Soil samples were collected continuously from each boring at 5-foot intervals to a terminal depth of 10 feet for a total of two samples per boring. This sampling scheme should help delineate the vertical and horizontal extent of contamination in the soil at the facility. All boring locations for Site 6 are presented in Figure 8.



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FIGURE 8  
SITE 6  
SAMPLING LOCATIONS

DWG DATE: 11/18/93 DWG NAME: CEDAR7A

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**Site 6 Data Summary**

The following tables present the analytical results for Site 6.

Table 24 Site 6 Semivolatiles In Soil Samples (Results in ppb)						
Detected Semi-volatiles	4-Nitrophenol	Propanil	Dinoseb	3,4-Dichloroaniline	Phenol	Isophorone
CED6SBA-1	U	U	9500 J	U	U	U
CED6SBA-2	8100	U	430	U	U	U
CED6SBC-1	U	700 J	14000 J	230 J	U	U
CED6SBC-2	U	U	U	U	U	U
CED6SBD-1	U	U	6100 J	U	U	U
CED6SBD-2	U	910	U	610 J	6900	4500
CED6SBE-1	U			84.0 J	U	U
CED6SBE-2	U	103 J	10000 J	U	U	U
CED6SBF-1	8100 J	1300 J	16000	U	U	U
CED6SBF-2	U	18000	21000	4900	U	U
CED6SBG-1D	U	U	23000 J	930	U	U
CED6SBG-1	U	U	45000 J	1600	U	U
CED6SBG-2	U	U	5300 J	U	U	U
CED6SBH-1	U	U	7700 J	U	U	U
CED6SBH-2	U	U	10200 J	U	U	U
CED6SBJ-2	U	U	1000 J	U	U	U
CED6SBJ-3	U	U	U	U	U	U
CED6SBK-1D	U	U	U	U	U	U
CED6SBK-1	U	U	4100 J	U	U	U
CED6SBK-2	U	U	1060 J	U	U	U
CED6SBL-1	U	U	U	U	U	U
CED6SBL-2	U	U	U	U	U	U

**Notes:**

J - Compound detected but below the contract required quantitation limit (the value given is an estimate)  
 U - Compound analyzed but not detected

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Table 25 Site 6 Metals in Soil Samples (Results in ppm)					
Detected Metals	Lead	Arsenic	Barium	Chromium	Cadmium
CED6SBA-1	13.8 J	7.4	251	14.5	U
CED6SBA-2	13.1	10.3	398	9.5 J	U
CED6SBC-1	9.2 N	6.3	93.2	11	U
CED6SBC-2	11 N	9.6	187	10.10	.26
CED6SBD-1	10.9 J	6.8	123	13.7	U
CED6SBD-2	8.7 J	6.8	144	8.6	U
CED6SBE-1	10.1 J	8.9	126	9.9	U
CED6SBE-2	10.9 J	8	134 J	12.3	U
CED6SBF-1	12	6.5	164	9.3	U
CED6SBF-2	10.8	6.1	152	13.4 J	U
CED6SBG-1	10.4 J	6.5	101	10.7	U
CED6SBG-1D	10.6 J	7.1	113	10.8	U
CED6SBG-2	11.5 J	7.1	103	12.6	U
CED6SBH-1	8.8 J	5.4	103	8.9	U
CED6SBH-2	10.6 J	6.2	86.4	14.4	U
CED6SBJ-2	12.9	7.9	127	12.1 J	U
CED6SBJ-3	11.9	7.4	150	10.1 J	U
CED6SBK-1	11.7 J	9	115	11.3	.29
CED6SBK-2	12.9 J	8.5	108	11.9	U
CED6SBL-1	7.4 J	5.8	111	10.3	U
CED6SBL-2	11.4 J	6.3	78.9	14.7	U

**Notes:**

- J - Compound detected but below the contract required quantitation limit (the value given is an estimate)
- U - Compound analyzed but not detected
- B - Compound was found in the method blank

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Detected Pesticides	Table 26 Site 6 Pesticides in Soil Samples (Results in ppb)							
	Aldrin	Beta BHC	4,4'-DDT	Dieldrin	4,4'-DDE	Alpha BHC	Methoxychlor	4,4'-DDD
CED6SBA-1	4.3	7	58	30	26	U	U	U
CED6SBA-2	U	U	U	5.5 J	U	U	U	U
CED6SBC-1	U	U	U	U	U	2.7	U	U
CED6SBC-2	U	U	U	U	U	U	U	U
CED6SBD-2	U	U	U	U	U	U	U	U
CED6SBE-1	18	U	21	8.6	8.6	U	510 J	28
CED6SBE-2DL	U	U	U	U	U	U	3400 J	U
CED6SBE-2	U	U	U	U	U	U	U	U
CED6SBF-1	U	U	U	U	9.8 J	U	U	U
CED6SBF-2	U	U	U	U	U	U	U	U
CED6SBG-1DL	U	U	U	U	U	U	930 J	U
CED6SBG-1	U	U	U	U	U	U	U	U
CED6SBG-1DUP	U	U	U	U	U	U	2600 J	U
CED6SBG-2	U	U	U	U	U	3.6	U	U
CED6SBH-1DL	U	U	190	U	48	U	U	U
CED6SBH-1DL	U	U	200.0	U	48	U	U	U
CED6SBH-2DL	U	U	.90	U	46	U	U	U
CED6SBH-2	U	U	U	U	U	U	U	U
CED6SBJ-2	U	U	U	U	4.4 J	2.9	U	16 J
CED6SBJ-3	U	U	U	U	U	U	U	U
CEDSBK-1DL	U	U	U	U	U	U	67000 J	16 J
CED6SBK-1	U	U	U	U	U	U	U	U
CED6SBK-2DL	240	U	U	U	U	U	U	U
CED6SBK-2	U	U	U	U	U	U	U	U
CED6SBL-1	U	U	U	U	U	U	U	U
CED6SBL-2	U	U	36	U	23	U	U	28

**Notes:**

J - Compound detected but below the contract required quantitation limit (the value given is an estimate)

U - Compound analyzed but not detected

B - Compound was found in the method blank

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Detected Volatiles	Volatile In Soil Samples (Results in ppb)								
	Acetone	Methylene Chloride	2-Butanone	4-Methyl-2-Pentanone	1,2-Dichloroethane	Ethylbenzene	Toluene	Total Xylenes	2-Hexanone
CED6SBA-1	63 J	U	U	U	U	U	U	U	U
CED6SBA-2	U	U	U	U	U	U	U	U	U
CED6SBC-1	5 J	14 B	6 BJ	U	U	U	U	U	U
CED6SBC-2	U	23 B	6 BJ	2 J	U	U	U	U	U
CED6SBD-1	8 J	U	U	U	U	U	U	U	U
CED6SBD-2	880	U	U	500	9 J	U	U	U	U
CED6SBE-1	67 J	U	U	U	U	U	U	U	U
CED6SBE-2	31 J	U	U	U	U	U	U	U	U
CED6SBF-1	U	U	U	U	U	2 J	2 J	8	U
CED6SBF-2	U	U	U	1 J	U	6 J	10 J	43	3 J
CED6SBG-1	890	U	U	U	U	U	U	U	U
CED6SBG-1D	1800 J	U	U	U	U	U	U	U	U
CED6SBG-2	16 J	U	10	U	U	U	U	U	U
CED6SBH-1	37 J	U	U	U	U	U	U	U	U
CED6SBH-2	U	U	U	U	U	U	U	U	U
CED6SBJ-2	U	U	U	U	U	U	U	U	U
CED6SBJ-3	U	U	U	U	9	U	U	U	U
CED6SBK-1	180	7 B	U	U	U	U	U	U	U
CED6SBK-2	26 J	U	U	U	U	U	U	U	U
CED6SBL-1	27 J	U	U	U	U	U	U	U	U
CED6SBL-2	U	U	U	U	U	U	U	U	U

J - Compound detected but below the contract required quantitation limit (the value given is an estimate)

U - Compound analyzed but not detected

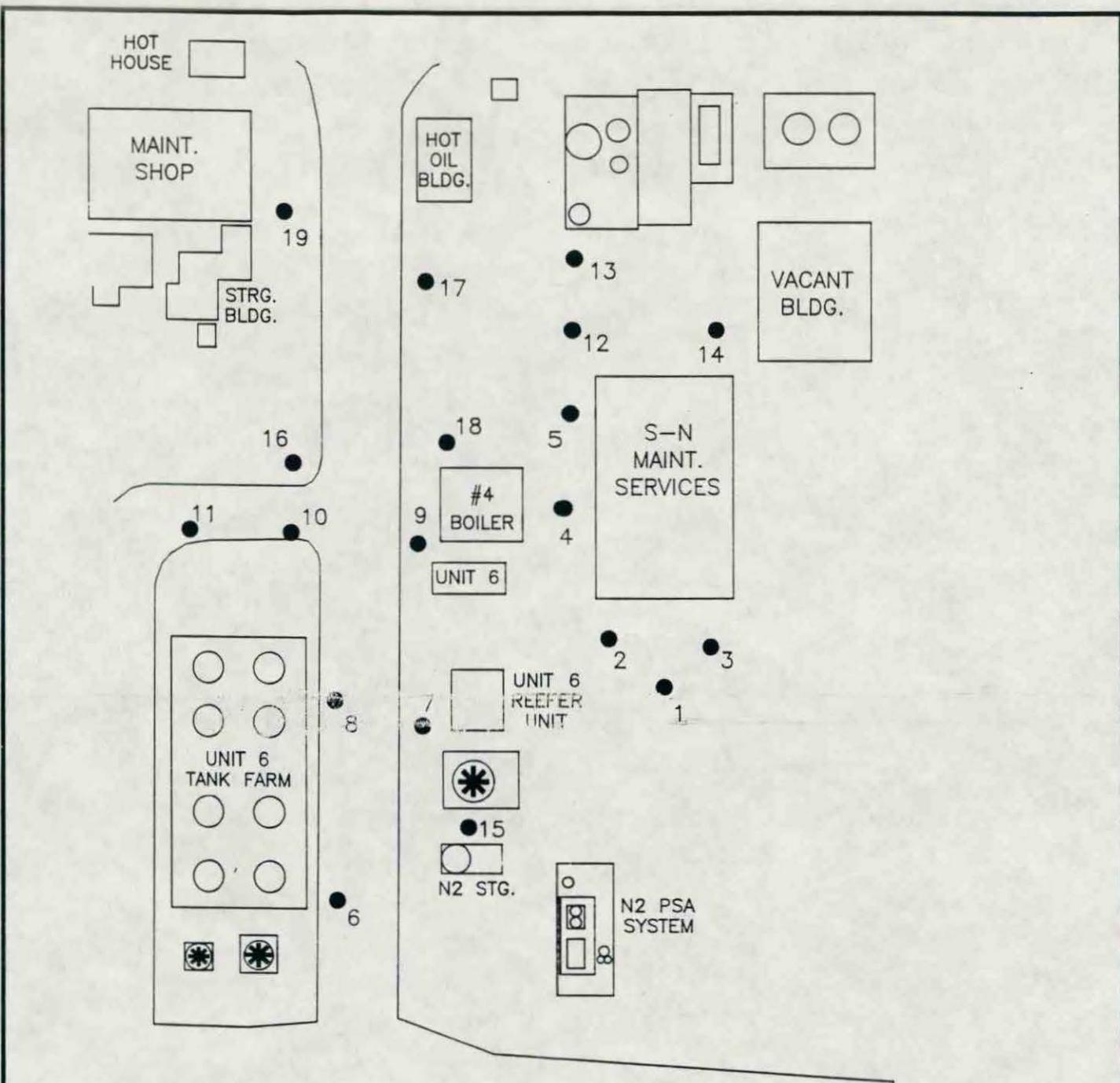
B - Compound was found in the method blank

## SITE 9

### *Field Work Summary*

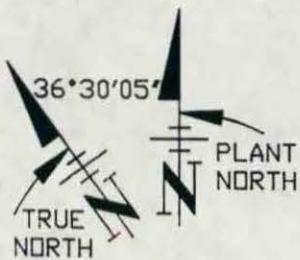
Site 9 consists of three suspected ponds in the area between the DCA unit and the maintenance services building (Site 5). The ponds were reportedly shallow unlined basins used to dispose of off-spec dinoseb. The ponds are no longer in use and have since been backfilled. Buildings have been constructed over the ponds and some areas have been paved. Unpaved areas exhibit heavy yellow staining on the surface soils. Although not addressed in the work plan, an undetermined number of soil borings was proposed to confirm the existence of the ponds. Once located, additional borings would be installed in an attempt to delineate the horizontal and vertical boundaries of the ponds.

Nineteen soil borings were installed at the site. Samples were collected from each boring continuously at 5-foot intervals. Each soil boring was sampled to a minimum of 10-feet and terminated once a stain free sample was retrieved. Two split samples were containerized immediately from each 5-foot interval of all soil borings installed at the site. One split sample from each sampling interval was submitted to the Cedar laboratory for 24-hour turn around time on the analytical results for Dinoseb. The second split sample from each sampling interval was submitted to I.T. Analytical Services in Export, Pennsylvania, for SVOC analysis. Additional sample volume from each boring was placed in Ziploc bags and stored in a refrigerator in the EnSafe site trailer. Once the analytical results from the Cedar laboratory were received, soil from the sample interval with the lowest and highest dinoseb concentrations was containerized and submitted to I.T. for analysis of VOCs, pesticides, and RCRA metals. All boring locations for Site 9 are presented in Figure 9.



### LEGEND

● - BORING LOCATIONS



55 0 55  
SCALE FEET

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FIGURE 9  
SITE 9  
BORING LOCATIONS

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**Site 9 Data Summary**

The following tables present the results for samples collected at Site 9.

Table 28 Site 9 Semivolatiles in Soil Samples (ppb)				
Detected Semi-volatiles	Propanil	Dinoseb	3,4-Dichloroaniline	2,4-Dinitrotoluene
CED9SB1-2	310 J	9600 J	U	U
CED9SB10-1	U	650000 J	U	U
CED9SB10-2	U	40000 J	U	U
CED9SB11-1	U	160000 J	U	U
CED9SB11-2	41000 J	170000 J	U	U
CED9SB12-1	U	13000000 J	U	U
CED9SB12-2	U	320000 J	U	U
CED9SB13-1	U	150000 J	U	U
CED9SB13-2	U	34000 J	U	U
CED9SB14-1	860 J	9100 J	U	U
CED9SB14-2	3300 J	35000 J	U	U
CED9SB15-1	U	8600 J	150 J	U
CED9SB15-2	8400 J	22000 J	U	U
CED9SB16-1	U	180000000 J	U	U
CED9SB16-2	U	9200 J	U	U
CED9SB19-1	U	93000 J	16000 J	U
CED9SB19-2	1300 J	17000	1300 J	U
CED9SB2-2	150	1600 J	U	3400 J
CED9SB3-1	U	U	U	U
CED9SB3-1	11000 J	140000 J	76000	U
CED9SB3-2	U	U	130	U
CED9SB4-1	4000000 J	24000000 J	U	U
CED9SB4-2	U	8500000 J	U	U
CED9SB4-3	U	550000 J	U	U
CED9SB5-1	U	29000000 J	U	U
DEC9SB5-2	4100000 J	U	U	U
CED9SB5-3	U	1700000 J	U	U

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Detected Semi-volatiles	Site 9 Semivolatiles in Soil Samples (ppb)			
	Propanil	Dinoseb	3,4-Dichloroaniline	2,4-Dinitrotoluene
CED9SB6-1	56000 J	U	19000 J	U
CED9SB6-2	8600 J	U	U	U
CED9SB7-1	770000 J	26000000 J	450000 J	U
CED9SB7-2	U	6400000 J	U	U
CED9SB7-3	U	360000 J	U	U
CED9SB8-1	U	15000000 J	U	U
CED9SB8-2	U	13000 J	U	U
CED9SB9-1	U	28000000 J	U	U
CED9SB9-2	U	900000 J	U	U

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Detected Metals	Metals in Soil Samples (ppm)				
	Lead	Arsenic	Barium	Cadmium	Chromium
CED9SB1-2	U	U	U	U	U
CED9SB10-1	U	U	U	U	U
CED9SB10-2	U	U	U	U	U
CED9SB11-1	U	U	U	U	U
CED9SB11-2	U	U	U	U	U
CED9SB12-1	U	U	U	U	U
CED9SB12-2	U	U	U	U	U
CED9SB13-1	U	U	U	U	U
CED9SB13-2	U	U	U	U	U
CED9SB14-1	U	U	U	U	U
CED9SB14-2	U	U	U	U	U
CED9SB15-1	8.1	3.4	94.1	.32	11.3 J
CED9SB15-2	10.3	7.1	133	.38	10.8 J
CED9SB16-1	U	U	U	U	U
CED9SB16-2	U	U	U	U	U
CED9SB19-1	U	U	U	U	U
CED9SB19-2	U	U	U	U	U
CED9SB2-2	U	U	U	U	U
CED9SB3-1	9	3.5 J	99.8 J	.38 J	14.7 J
CED9SB3-2	11.2	7.3 J	150 J	.37 J	13.4 J
CED9SB4-1	U	U	U	U	U
CED9SB4-2	U	U	U	U	U
CED9SB4-3	U	U	U	U	U
CED9SB5-1	U	U	U	U	U
CEDC9SB5-2	U	U	U	U	U
CED9SB5-3	U	U	U	U	U
CED9SB6-1	U	U	U	U	U
CED9SB6-2	U	U	U	U	U

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Detected Metals	Metals in Soil Samples (ppm)				
	Lead	Arsenic	Barium	Cadmium	Chromium
CED9SB7-1	U	U	U	U	U
CED9SB7-2	U	U	U	U	U
CED9SB7-3	U	U	U	U	U
CED9SB8-1	U	U	U	U	U
CED9SB8-2	U	U	U	U	U
CED9SB9-1	U	U	U	U	U
CED9SB9-2	U	U	U	U	U

Cedar Chemical Facility Investigation  
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Detected Pesticides	4,4'-DDT	4,4'-DDD	4,4'-DDE	Heptachlor	Alpha BHC
CED9SB1-2	U	U	U	U	U
CED9SB10-1	U	U	U	U	U
CED9SB10-2	U	U	U	U	U
CED9SB11-1	U	U	U	U	U
CED9SB11-2	U	U	U	U	U
CED9SB12-1	U	U	U	U	U
CED9SB12-2	U	U	U	U	U
CED9SB13-1	U	U	U	U	U
CED9SB13-2	U	U	U	U	U
CED9SB14-1	U	U	U	U	U
CED9SB14-2	U	U	U	U	U
CED9SB15-1	15	24	12	U	U
CED9SB15-2	U	U	U	U	U
CED9SB16-1	U	U	U	U	U
CED9SB16-2	U	U	U	U	U
CED9SB19-1	U	U	U	U	U
CED9SB19-2	U	U	U	U	U
CED9SB2-2	U	U	U	U	U
CED9SB3-1DL	U	U	U	150	U
CED9SB3-1	U	U	U	U	U
<u>CED9SB3-2</u>	U	U	U	U	U
CED9SB3-2	U	U	U	U	U
CED9SB4-1	U	U	U	U	U
CED9SB4-2	U	U	U	U	U
CED9SB4-3	U	U	U	U	U
CED9SB5-1	U	U	U	U	U
DEC9SB5-2	U	U	U	U	U
CED9SB5-3	U	U	U	U	U

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Detected Pesticides	Table 30 Site 9 Pesticides in Soil Samples (ppb)				
	4,4'-DDT	4,4'-DDD	4,4'-DDE	Heptachlor	Alpha BHC
CED9SB6-1	U	U	U	U	U
CED9SB6-2	U	U	U	U	U
CED9SB7-1	U	U	U	U	U
CED9SB7-2	U	U	U	U	U
CED9SB7-3	U	U	U	U	U
CED9SB8-1	U	U	U	U	U
CED9SB8-2	U	U	U	U	U
CED9SB9-1	U	U	U	U	U
CED9SB9-2	U	U	U	U	U

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Table 31 Site 9 Volatiles in Soil Samples (ppb)				
Detected Volatiles	4-Methyl-2-Pentanone	Total Xylenes	Acetone	2-Butanone
CED9SB1-2	U	U	U	U
CED9SB10-1	U	U	U	U
CED9SB10-2	U	U	U	U
CED9SB11-1	U	U	U	U
CED9SB11-2	U	U	U	U
CED9SB12-1	U	U	U	U
CED9SB12-2	U	U	U	U
CED9SB13-1	U	U	U	U
CED9SB13-2	U	U	U	U
CED9SB14-1	U	U	U	U
CED9SB14-2	U	U	U	U
CED9SB15-1	U	U	U	U
CED9SB15-2	U	U	U	U
CED9SB16-1	U	U	U	U
CED9SB16-2	U	U	U	U
CED9SB19-1	U	U	U	U
CED9SB19-2	U	U	U	U
CED9SB2-2	U	U	U	U
CED9SB3-1DL	U	U	300 D	U
CED9SB3-1	12 J	4 J	1000 R	22
CED9SB3-2DL	U	1200 D	U	U
CED9SB3-2	19 J	1200 R	U	U
CED9SB4-1	U	U	U	U
CED9SB4-2	U	U	U	U
CED9SB4-3	U	U	U	U
CED9SB5-1	U	U	U	U
DEC9SB5-2	U	U	U	U
CED9SB5-3	U	U	U	U

Cedar Chemical Facility Investigation  
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Table 31 Site 9 Volatile in Soil Samples (ppb)				
Detected Volatiles	4-Methyl-2-Pentanone	Total Xylenes	Acetone	2-Butanone
CED9SB6-1	U	U	U	U
CED9SB6-2	U	U	U	U
CED9SB7-1	U	U	U	U
CED9SB7-2	U	U	U	U
CED9SB7-3	U	U	U	U
CED9SB8-1	U	U	U	U
CED9SB8-2	U	U	U	U
CED9SB9-1	U	U	U	U
CED9SB9-2	U	U	U	U

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*Existing Wells*

The monitoring wells installed during previous field sampling events were also sampled during this investigation. These wells were analyzed for all constituents listed on page one. The Table 32 presents the concentrations of the compounds and analytes detected in these wells.

Detected VOCs	Table 32 Existing Groundwater Monitoring Wells Detected Volatile Organic Compounds and Metals in Groundwater (results in ppb)									
	CEDEGW MW-1	CEDEGW MW-2	CEDEGW MW-3	CEDEGW MW-3D	CEDEGW MW-4	CEDEGW MW-6	CEDEGW MW-6A	CEDEGW MW-6B	CEDEGW MW-7	
Ethylbenzene	U	U	54.0	65.0 J	U	U	U	U	U	U
1,2-Dichloroethane	36.0	U	7,300 R	6,700	1,200	190	18.0	1,900	64,000	
4-Methyl-2-Pentanone	U	U	11.0 J	U	U	U	U	U	U	U
Toluene	U	U	32.0 J	U	U	U	U	U	U	U
Chlorobenzene	U	U	26.0 J	U	16.0 J	U	U	30.0 J	U	
Benzene	U	U	U	U	U	U	U	17.0 J	U	
Total Xylenes	U	U	88.0	100 J	U	U	U	U	U	U
Chloroform	1.0 J	U	55	65 J	U	U	U	U	U	U
Methylene Chloride	U	U	390	410	U	U	U	U	U	U
<b>Detected Metals</b>										
Iron	64,200	121,000	82,900	85,200	347,000	14,900	106,000	50,100	38,200	
Lead	30.8	89.4	38.4	40.8	174	10.1	66.4	29.3	25.0	
Magnesium	133,000	58,700	140,000	141,000	472,000	48,400	121,000	151,000	87,600	

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Detected VOCs	Table 32 Existing Groundwater Monitoring Wells Detected Volatile Organic Compounds and Metals in Groundwater (results in ppb)									
	CEDEGW MW-1	CEDEGW MW-2	CEDEGW MW-3	CEDEGW MW-3D	CEDEGW MW-4	CEDEGW MW-6	CEDEGW MW-6A	CEDEGW MW-6B	CEDEGW MW-7	
Sodium	98,300	33,400	171,000	170,000	137,000	40,800	17,400	226,000	15,100	
Arsenic	29.3	26.5	39.9	43.5	44.4	U	47.8	28.0	29.7	
Barium	799	1,120	319	332	2,400	336	1,010	830	441	
Cadmium	3.6	8.5	180	212	4.3	U	U	16.3	U	
Chromium	63.2 J	104 J	800 J	972 J	226 J	18.6 J	72.6 J	58.6 J	63.9 J	
Calcium	232,000	109,000	522,000	524,000	919,000	128,000	292,000	301,000	211,000	
Selenium	U	U	U	U	U	U	U	U	U	

**Notes:**

U - Compound/analyte was analyzed but not detected

J - Compound/analyte was detected but below the contract required quantitation limit (estimated value)

Cedar Chemical Facility Investigation  
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### Drinking Water Parameters

All site wells were analyzed for drinking water parameters (bicarbonate, chloride, fluoride, nitrate, sulfate, ammonia, and cyanide). Table 33 presents the results for these analyses.

**Table 33**  
**General Chemistry Analysis of**  
**all Cedar Chemical Monitoring Wells (results in ppm)**

Sample Number	Bicarbonate	Nitrate	Sulfate	Chloride	Fluoride	Ammonia
CED1GWMW-1	400	5.3	69.0	450	0.3	U
CED1GWMW-2	380	0.9	49.0	36.0	0.9	U
CED1GWMW-3	820	U	420	1,300	0.6	U
CED1GWMW-3D	U	U	380	1,200	0.6	U
CED1GWMW-4	780	0.02	210	1,400	0.5	U
CED1GWMW-5	890	U	620	1,600	0.6	U
CED1GWMW-6	180	U	30.0	630	0.3	1.8
CED2GWMW-1	N/A	N/A	N/A	N/A	N/A	N/A
CED2GWMW-2	N/A	N/A	N/A	N/A	N/A	N/A
CED2GWMW-3	410	U	29.0	570	0.3	U
CED2GWMW-4	500	U	16.0	1,100	0.1	U
CED2GWMW-5	430	2.2	79.0	34.0	0.2	U
CED4GWMW-1	630	U	23.0	72.0	0.3	U
CED4GWMW-2	530	1.2	140	200	0.2	U
CED4GWMW-2D	530	1.0	120	200	0.2	U
CEDEGWMW-1	480	U	120	260	0.3	U
CEDEGWMW-2	250	U	41.0	15.0	0.3	0.3
CEDEGWMW-3	290	U	320	1,400	0.2	0.7
CEDEGWMW-3D	300	U	350	1,400	0.2	0.8
CEDEGWMW-4	650	U	93.0	650	0.3	0.2
CEDEGWMW-6	490	U	25.0	29.0	0.3	U
CEDEGWMW-6A	290	U	14.0	160	0.6	0.8
CEDEGWMW-6B	540	U	35.0	560	0.5	U

**Notes:**

U - Undetected

N/A - Not analyzed

**ATTACHMENT A**

**Physical Parameter Data Sheets**



**Tri-State Testing Services, Inc.**

**Measurement of Hydraulic Conductivity**

Client: EnSafe

Date of Report: 11/03/93

Project Name: Cedar Chemical      Helena, Arkansas

Sample I.D.: Monitoring Well # 6, Shelby Tube @ 25' to 27' in Depth  
CED1MW-6

Soil Description: Dark Brown Clayey Silt

	<u>Pre-Test</u>	<u>Post Test</u>
Wet Density (Lbs/ft <sup>3</sup> )	123.8	124.5
Dry Density (Lbs/ft <sup>3</sup> )	92.6	92.8
Moisture (% Dry Wt)	33.7	34.1
Porosity (n)	.332	.307
Degree of Saturation (%)	98.0	100.0

**Permeability**

Temperature Correction,  $R_t = 1.103$

$$K_1 = 3.8 \times 10^{-6} \text{ cm/sec}$$

$$K_2 = 5.6 \times 10^{-6} \text{ cm/sec}$$

$$K_3 = 4.0 \times 10^{-6} \text{ cm/sec}$$

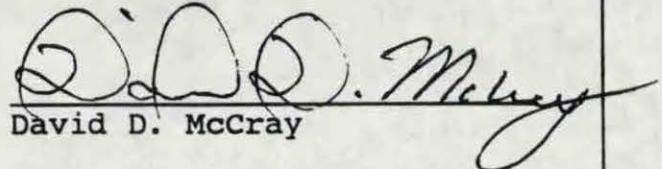
$$K_4 = 3.1 \times 10^{-6} \text{ cm/sec}$$

$$\text{Coefficient of Permeability, } K_{20} = 4.5 \times 10^{-6} \text{ cm/sec}$$

Tested in accordance with Method 9100 of Test Methods for evaluation Solid Waste, Third Addition (SW-846) and in general accordance with ASTM D-5084-90.

Lab No. L-93-1054D

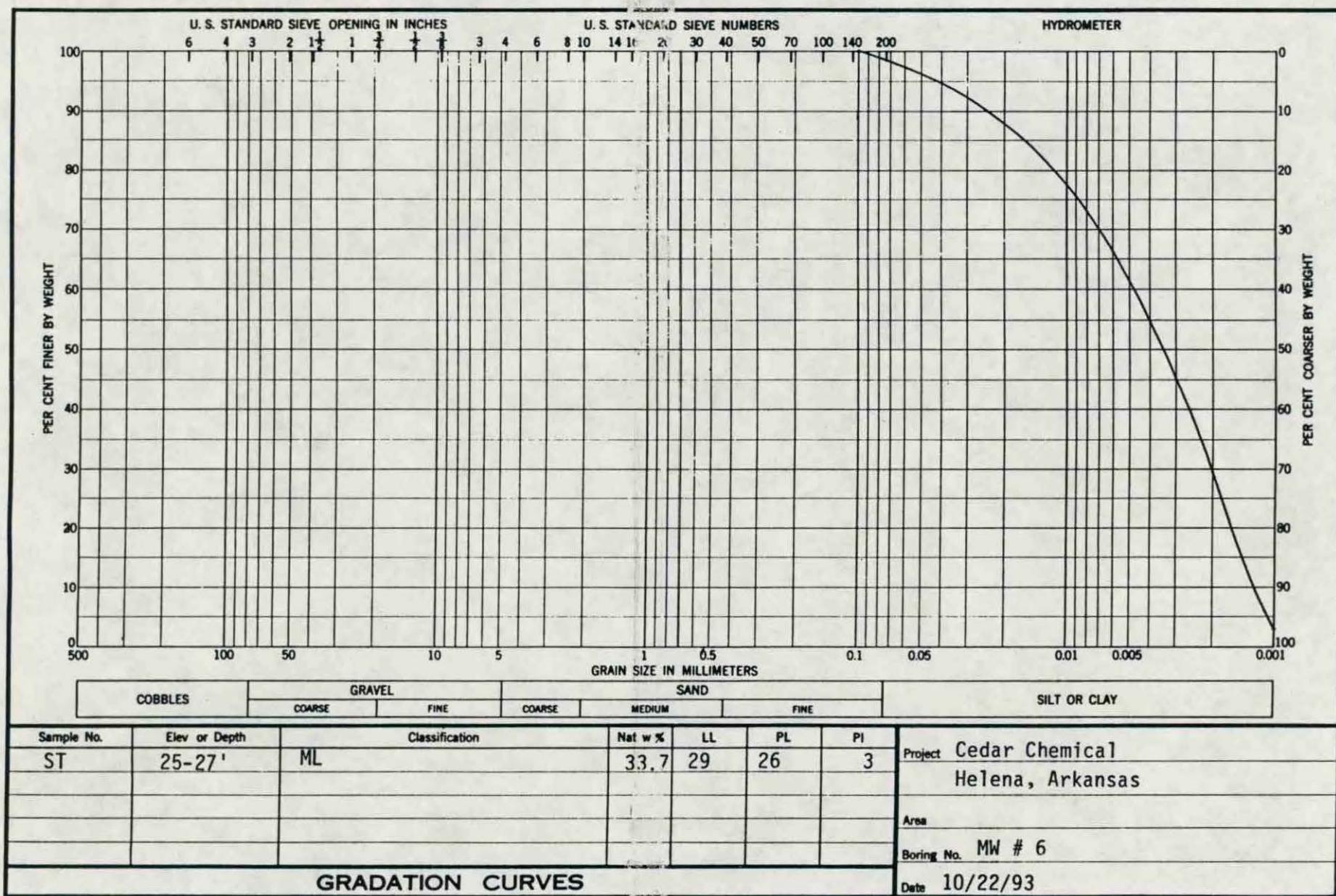
Reviewed By:

  
David D. McCray



6756 Buckles Cove • Memphis, TN 38133  
(901) 385-1199 • Fax (901) 386-6614







**Tri-State Testing Services, Inc.**

**Measurement of Hydraulic Conductivity**

Client: EnSafe

Date of Report: 10/28/93

Project Name: Cedar Chemical      Helena, Arkansas

Sample I.D.: Boring #<sup>G</sup> 6, Shelby Tube @ 10' to 12' in Depth  
CED6-G

Soil Description: Brown Clayey Silt

	<u>Pre-Test</u>	<u>Post Test</u>
Wet Density (Lbs/ft <sup>3</sup> )	115.8	126.4
Dry Density (Lbs/ft <sup>3</sup> )	94.9	99.7
Moisture (% Dry Wt)	22.0	26.8
Porosity (n)	.417	.387
Degree of Saturation (%)	80.0	100.0

**Permeability**

Temperature Correction,  $R_t = 1.015$

$$\begin{aligned}K_1 &= 1.7 \times 10^{-5} \text{ cm/sec} \\K_2 &= 3.6 \times 10^{-5} \text{ cm/sec} \\K_3 &= 2.6 \times 10^{-5} \text{ cm/sec} \\K_4 &= 1.7 \times 10^{-5} \text{ cm/sec}\end{aligned}$$

Coefficient of Permeability,  $K_{20} = 2.4 \times 10^{-5} \text{ cm/sec}$

Tested in accordance with Method 9100 of Test Methods for evaluation Solid Waste, Third Addition (SW-846) and in general accordance with ASTM D-5084-90.

Lab No. L-93-1054A

Reviewed By:

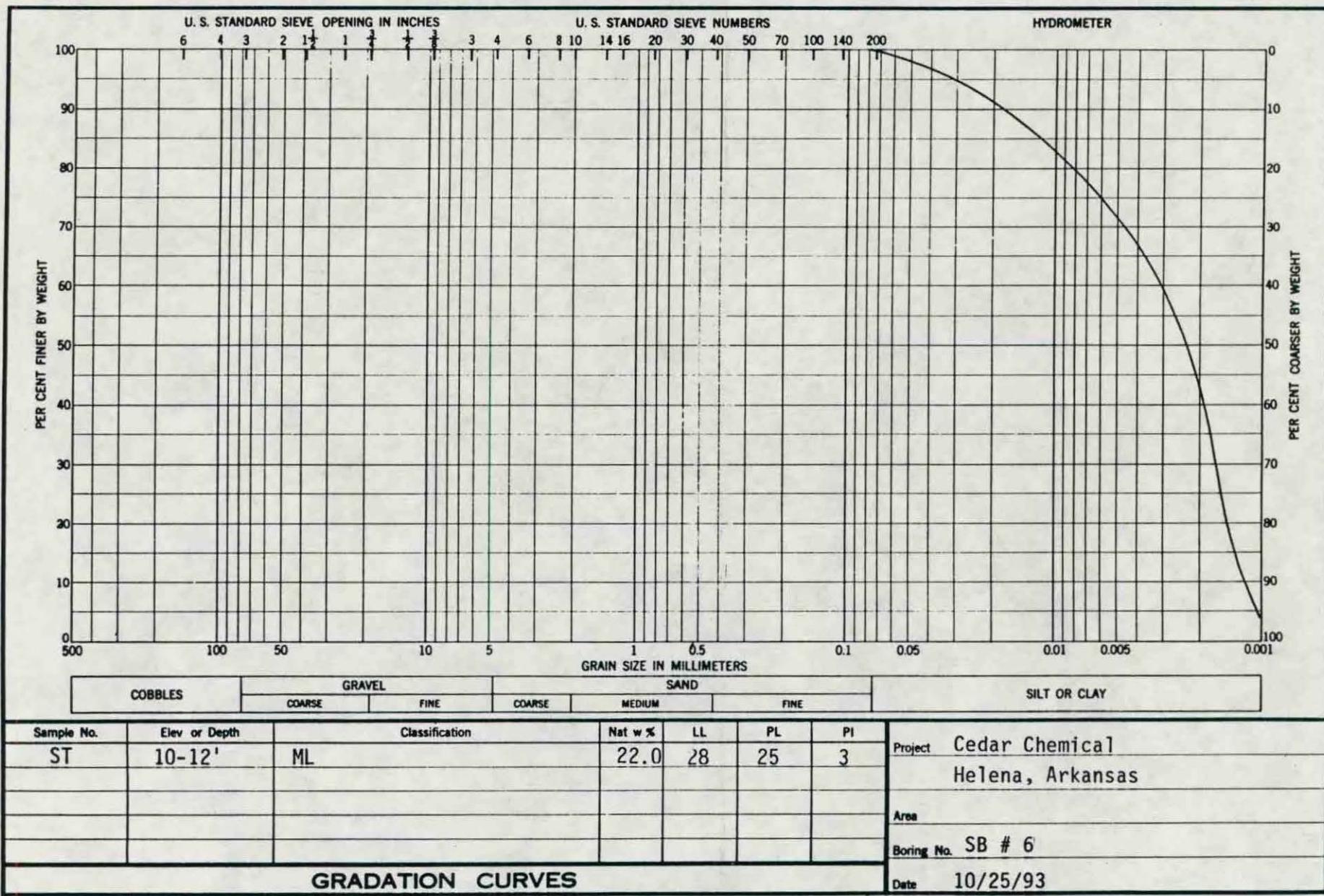
A handwritten signature in black ink, appearing to read "David D. McCray".

David D. McCray



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(901) 385-1199 • Fax (901) 386-6614







**Tri-State Testing Services, Inc.**

**Measurement of Hydraulic Conductivity**

Client: EnSafe

Date of Report: 11/02/93

Project Name: Cedar Chemical      Helena, Arkansas

Sample I.D.: Soil Boring # 15, Shelby Tube @ 10' to 12' in Depth  
CED9SB-15

Soil Description: Brown Clayey Silt

	<u>Pre-Test</u>	<u>Post Test</u>
Wet Density (Lbs/ft <sup>3</sup> )	119.2	123.6
Dry Density (Lbs/ft <sup>3</sup> )	93.3	96.1
Moisture (% Dry Wt)	27.8	28.6
Porosity (n)	.367	.298
Degree of Saturation (%)	97.0	100.0

**Permeability**

Temperature Correction,  $R_t = 1.015$

$$K_1 = 4.8 \times 10^{-6} \text{ cm/sec}$$

$$K_2 = 6.9 \times 10^{-6} \text{ cm/sec}$$

$$K_3 = 8.6 \times 10^{-6} \text{ cm/sec}$$

$$K_4 = 7.5 \times 10^{-6} \text{ cm/sec}$$

$$\text{Coefficient of Permeability, } K_{20} = 7.1 \times 10^{-6} \text{ cm/sec}$$

Tested in accordance with Method 9100 of Test Methods for evaluation Solid Waste, Third Addition (SW-846) and in general accordance with ASTM D-5084-90.

Lab No. L-93-1054E

Reviewed By:

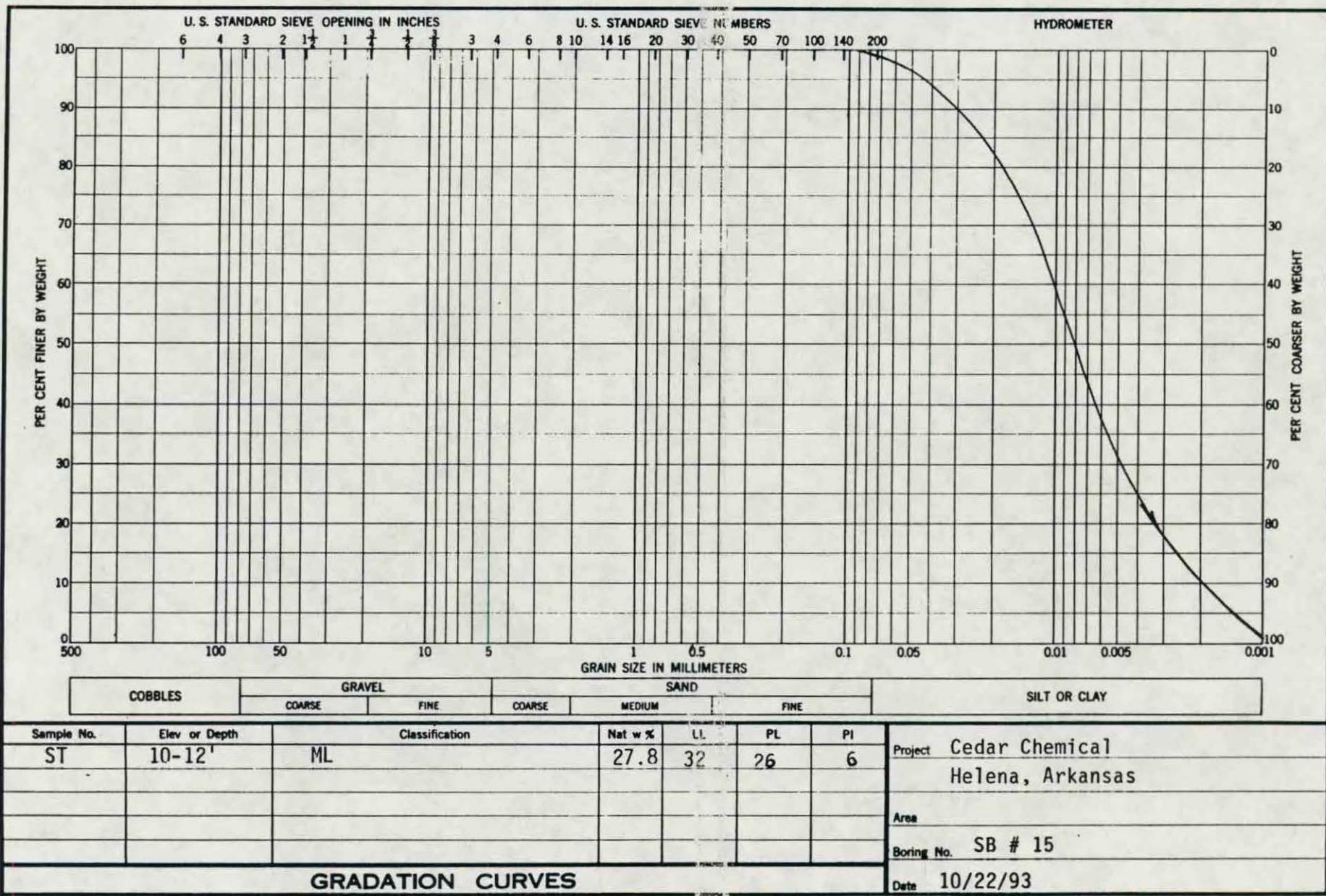
David D. McCray

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**Tri-State Testing Services, Inc.**

**Measurement of Hydraulic Conductivity**

Client: EnSafe

Date of Report: 10/28/93

Project Name: Cedar Chemical      Helena, Arkansas

Sample I.D.: Monitoring Well # 1, Shelby Tube @ 20' to 22' in Depth  
CED4MW-1

Soil Description: Gray Clay

	<u>Pre-Test</u>	<u>Post Test</u>
Wet Density (Lbs/ft <sup>3</sup> )	119.3	123.6
Dry Density (Lbs/ft <sup>3</sup> )	89.8	91.9
Moisture (% Dry Wt)	32.8	34.4
Porosity (n)	.273	.168
Degrees of Saturation (%)	92.0	100.0

**Permeability**

Temperature Correction,  $R_t = 1.072$

$$K_1 = 4.4 \times 10^{-8} \text{ cm/sec}$$

$$K_2 = 3.4 \times 10^{-8} \text{ cm/sec}$$

$$K_3 = 3.1 \times 10^{-8} \text{ cm/sec}$$

$$K_4 = 3.2 \times 10^{-8} \text{ cm/sec}$$

$$\text{Coefficient of Permeability, } K_{20} = 3.8 \times 10^{-8} \text{ cm/sec}$$

Tested in accordance with Method 9100 of Test Methods for evaluation Solid Waste, Third Addition (SW-846) and in general accordance with ASTM D-5084-90.

Lab No. L-93-1054C

Reviewed By:

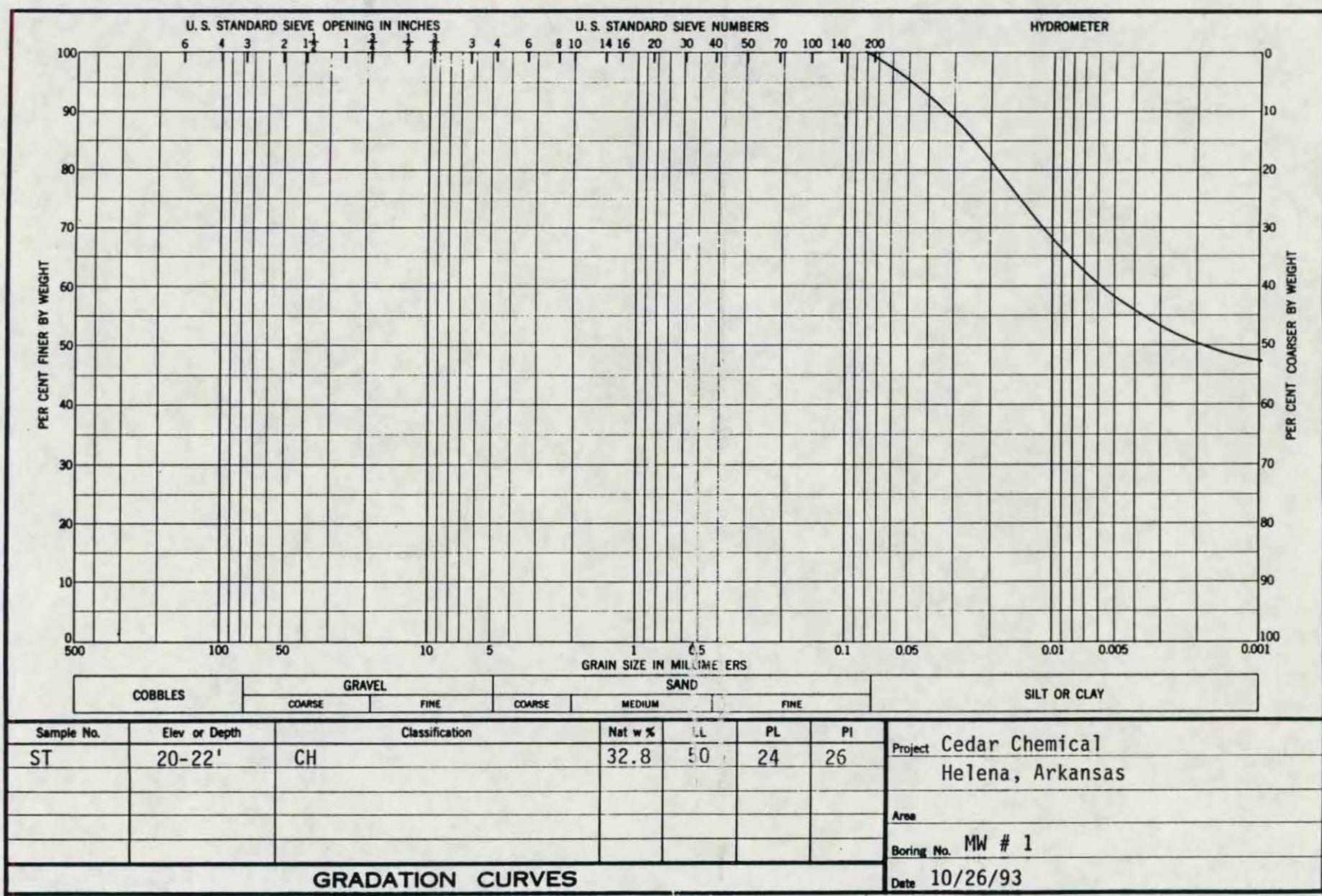
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David D. McCray



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Tri-State Testing Services, Inc.

Measurement of Hydraulic Conductivity

Client: EnSafe

Date of Report: 10/28/93

Project Name: Cedar Chemical      Helena, Arkansas

Sample I.D.: Monitoring Well # 3, Shelby Tube @ 10' to 12' in Depth  
CED2MW-3

Soil Description: Brown Silty Clay

	<u>Pre-Test</u>	<u>Post Test</u>
Wet Density (Lbs/ft <sup>3</sup> )	124.6	126.8
Dry Density (Lbs/ft <sup>3</sup> )	96.5	97.0
Moisture (% Dry Wt)	29.1	30.7
Porosity (n)	.373	.304
Degree of Saturation (%)	98.0	100.0

**Permeability**

Temperature Correction,  $R_t = 1.043$

$$K_1 = 1.9 \times 10^{-6} \text{ cm/sec}$$

$$K_2 = 3.0 \times 10^{-6} \text{ cm/sec}$$

$$K_3 = 2.4 \times 10^{-6} \text{ cm/sec}$$

$$K_4 = 2.2 \times 10^{-6} \text{ cm/sec}$$

$$\text{Coefficient of Permeability, } K_{20} = 2.5 \times 10^{-6} \text{ cm/sec}$$

Tested in accordance with Method 9100 of Test Methods for evaluation Solid Waste, Third Addition (SW-846) and in general accordance with ASTM D-5084-90.

Lab No. L-93-1054B

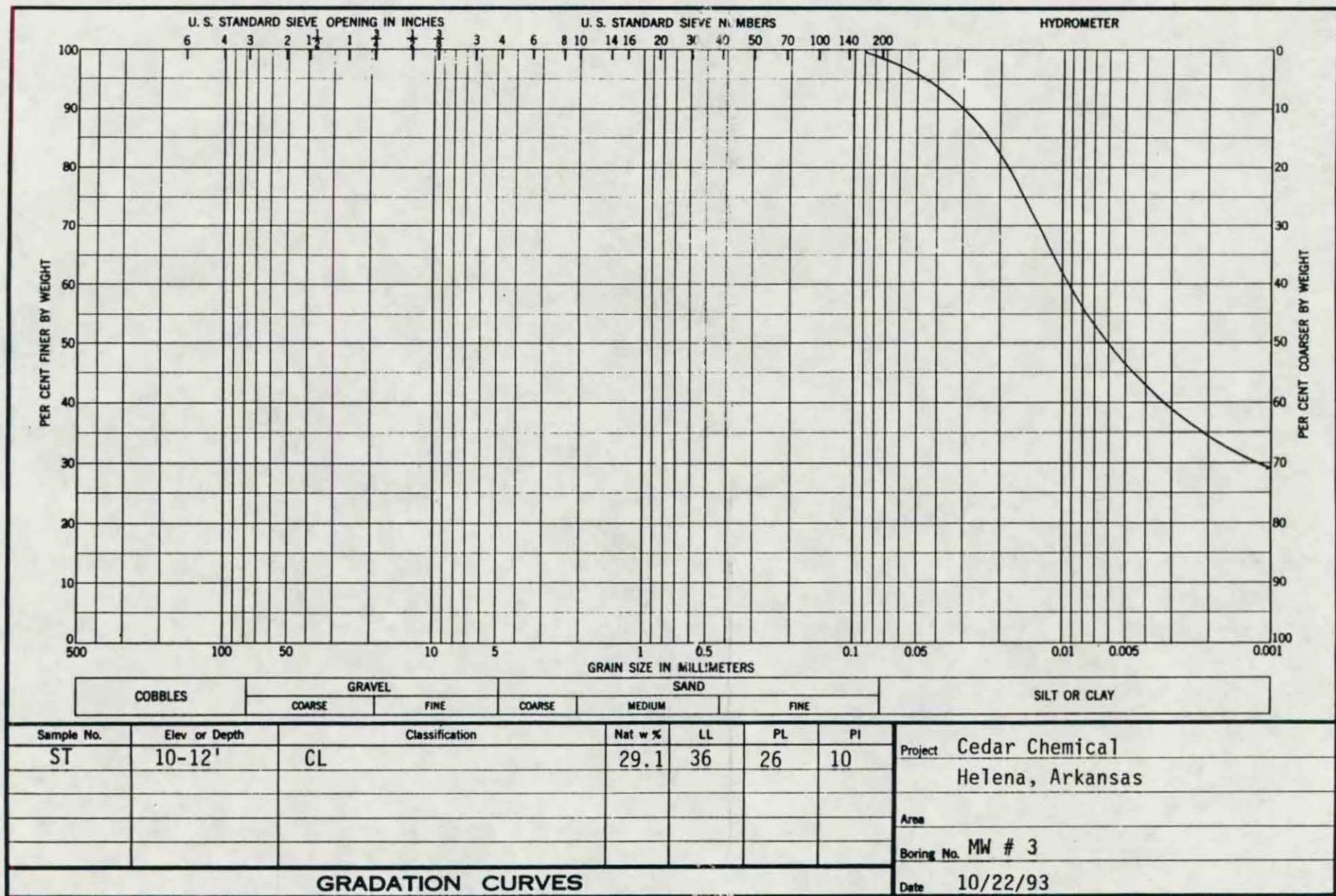
Reviewed By:

David D. McCray  
David D. McCray



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**ATTACHMENT B**

Boring Logs/Well Schematics

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
10					AUGURED DOWN TO 16 FEET AT A 45° ANGLE BEFORE SAMPLING.
16	CS	80	1020		16-18 FEET BROWN CLAYEY SILT. MOIST.
20	CS	40	1030		23-25 FEET BROWN SILTY CLAY. MOIST.
30					
40					
50					

Environmental and Safety Designs, Inc.



5724 SUMNER TREES DR. MEMPHIS, TN. 38134 #(901)372-7962  
NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH, NC.

CED5SB3  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL58

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	0900		BROWN CLAYEY SILT. MOIST. SLIGHT ODOR.
	CS	100	0910		BROWN CLAYEY SILT. MOIST. NO ODOR.
10					
20					
30					
40					
50					

Environmental and Safety Designs, Inc.



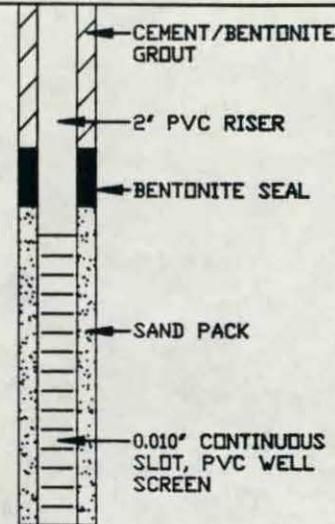
5724 SUMMER TREES DR. MEMPHIS, TN. 38134 \*(901)372-7962  
NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH NC.

CED6SBC  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL59

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1120		3' TAN SILT. DRY. 1' GRAY SILTY CLAY. 1' TAN SILT. DRY.
	CS	100	1130		TAN SILT WITH SOME CLAY. DAMP.
10	CS		1135		1' BROWN SILTY CLAY. MOIST. 2' VERY SOFT BROWN CLAYEY SILTY. SATURATED 0.5' BROWN CLAYEY SILT. DAMP.
	CS	90			1' BROWN CLAYEY SILT. SATURATED. 3' BROWN SILTY CLAY. WET.
20					TERMINATED BORING AT 18'.
30					
40					
50					



Environmental and Safety Designs, Inc.



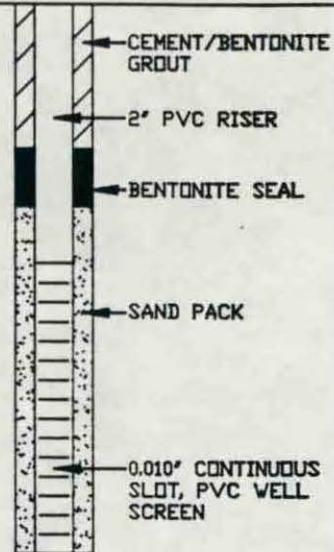
5724 SUMMER TREES DR. MEMPHIS, TN 38134 (901)372-7962  
NASHVILLE, TN, PENSACOLA, FL, AND RALEIGH, NC

MW1-1  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/22/93

DWG NAME: CEDBL3

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
-	CS 100	1435			2' TAN SILT WITH CLAY. HARD, DRY. 3' TAN AND GRAY MOTTLED SILTY CLAY. HARD, DRY.
10	CS 100	1445			TAN AND GRAY MOTTLED SILTY CLAY. MOIST, MEDIUM SOFT.
-	CS 90	1455			1' TAN AND GRAY MOTTLED SILTY CLAY. MOIST, MEDIUM SOFT. 4' BROWN CLAYEY SILT. SATURATED.
20	CS 100	1505			4' BROWN CLAYEY SILT. SATURATED. TERMINATED BORING AT 19 FEET
30					
40					
50					



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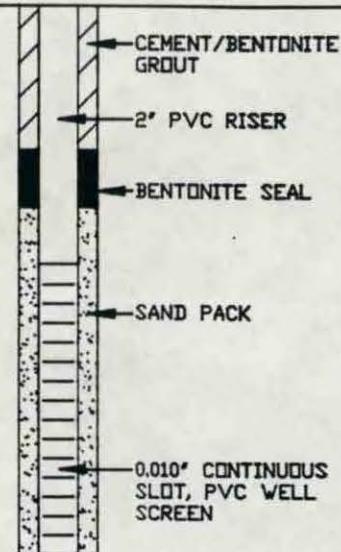
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MW1-2  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/22/93

DWG NAME: CEDBL4

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
-	CS	100	0823		TAN SILTY CLAY. DRY
10	CS	100	0830		BROWN SILTY CLAY. MOIST.
15	CS	90	0835		BROWN SILTY CLAY. SATURATED.
20	CS	100	0840		BROWN SILTY CLAY. SATURATED. TERMINATE BORING AT 19 FEET.
25					
30					
35					
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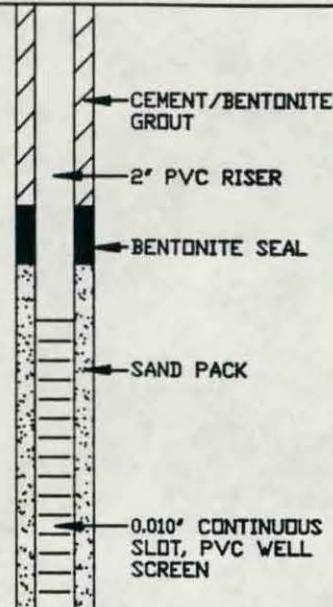
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MW1-3  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/22/93

DWG NAME: CEDBL5

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	0923		BROWN CLAYEY SILT. DAMP.
10	CS	100	0927		BROWN CLAYEY SILT. MOIST.
15	CS	90	0930		3' BROWN CLAYEY SILT. MOIST. 1' BROWN CLAYEY SILT. SATURATED.
20	CS	90	0933		BROWN CLAYEY SILT. SATURATED.
21					TERMINATED BORING AT 21'.
30					
40					
50					



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**EN SAE** <sup>SM</sup>

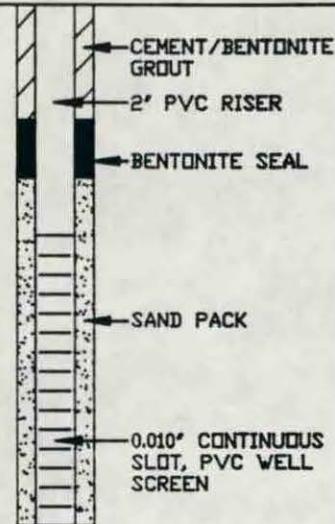
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MW1-4  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/22/93

DWG NAME: CEDBL6

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1050		TAN CLAYEY SILT. MOIST.
	CS	100	1100		3.5' BROWN CLAYEY SILT. MOIST. 1.5' BROWN CLAYEY SILT. WET.
10	CS	100	1105		BROWN CLAYEY SILT. SATURATED.
	CS	100	1110		2" BROWN CLAYEY SILT. SATURATED. 1' GRAY SILTY CLAY. MOIST. TERMINATE BORING AT 18'.
20					
30					
40					
50					



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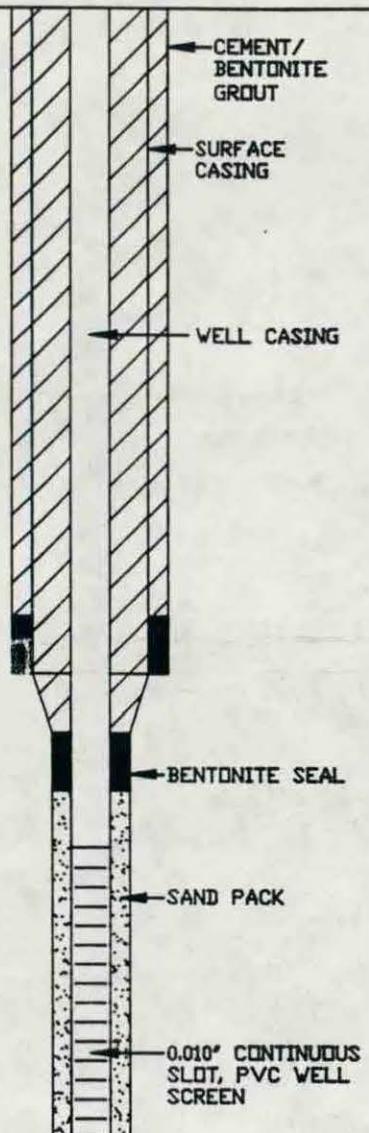
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MW1-5  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL7

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
10					
20					
23	CS 100	0955	48		Comment: Since this well is adjacent to CED1MW-4, logging of this boring began at 20'. See boring log CED1MW-4 for the upper 20' of this boring.
28	CS 90	0850	5.0		1' BROWN SILTY CLAY. 4' GRAY CLAY WITH SILT. MOIST. SURFACE CASING SET AT 23'.
30	CS 60	0910	NA		4' GRAY SILT. WET, LOOSE. 1' DARK GRAY CLAY WITH SILT. SOME PIECES OF DECAYED WOOD IN SAMPLER CONE.
35	CS 60	0925			1.5' GRAY SILTY CLAY. WET. 1' SILTY CLAY WITH FINE SAND. SATURATED. 0.5' SILTY FINE SAND.
40					FINE SILTY SAND. SATURATED.
40					TERMINATE BORING AT 40 FEET.
50					



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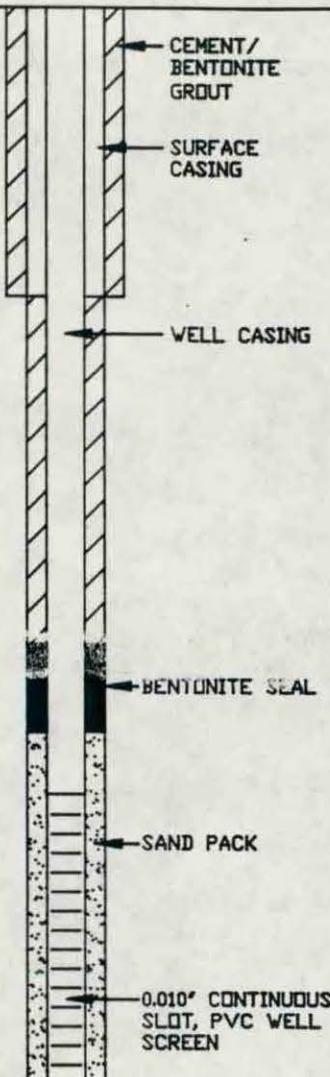
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CED1MW-6  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/22/93

DWG NAME: CEDBL8

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (CPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1335		BROWN CLAYEY SILT. DAMP.
	CS	100	1340		GRAY AND BROWN MOTTLED SILT WITH CLAY. MOIST, HARD.
10	CS	80	1355		GRAY AND BROWN SILTY CLAY. MOIST.
	CS	100	1405		GRAY AND BROWN MOTTLED SILTY CLAY. WET. STRONG ODOR.
20	CS	100	1420		GRAY AND BROWN SILTY CLAY. WET.
					1.5' ORANGE BROWN AND GRAY MOTTLED SILTY CLAY. MOIST. 1.5 DARKER ORANGE BROWN AND GRAY MOTTLED SILTY CLAY WITH THIN BLACK BANDS. MOIST. 1.5' OLIVE SILTY CLAY WITH ORANGE BROWN MOTTLING AND THIN BLACK BANDS. 0.5' OLIVE AND BLACK STRIATED CLAYEY SILT. WET. VERY STRONG ODOR.
	CS	100	1515		
30	CS	100	1525		4' BLACK SILT WITH TRACE CLAY. SATURATED. 1' BLACK CLAYEY SILT WITH TRACE SAND. SATURATED.
	CS	100	1540		DARK GRAY FINE SAND WITH SILT. SATURATED.
40					
50					



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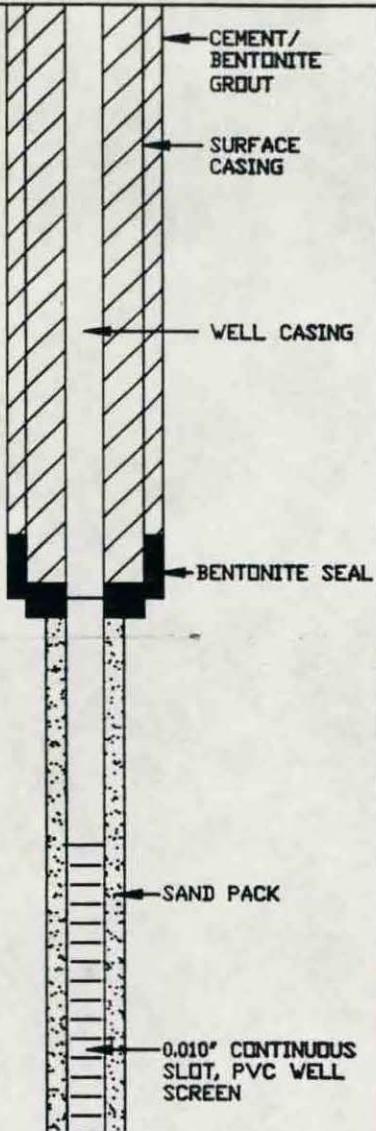
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CED2MW3  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/23/93

DWG NAME: CEDBL30

DEPTH (FEET)	SAMPLE	TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: BORING LOG STARTS AT 20'. TYPE III WELL						
10						
20						
30	CS 100	0900				0.5' BENTONITE CLAY FROM BENTONITE PELLET SEAL IN BOTTOM OF SURFACE CASING. 3.5' DARK GRAY SILTY CLAY. MOIST, HARD.
40	CS 100	0915				1' DARK GRAY SILTY CLAY WITH VERY FINE SAND. SATURATED.  4' VERY FINE SAND WITH SILT. SATURATED. 1' VERY FINE SAND WITH SILT AND CLAY. MOIST.  TERMINATE BORING AT 40 FEET AND SET WELL.
50						



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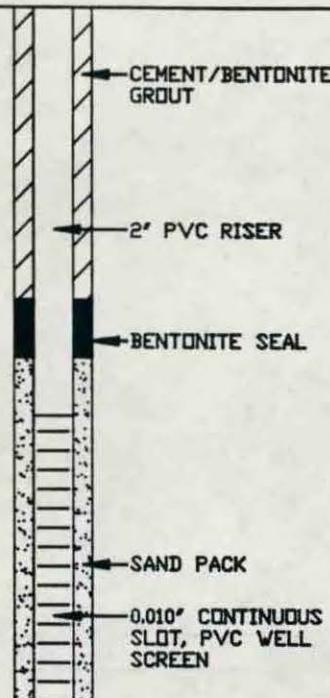
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CED2MW4  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/23/93

DWG NAME: CEDBL31

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
-	CS 100	1005			3' TAN SILT WITH CLAY GRADING TO 2' GRAY CLAYEY SILT. DAMP.
-	CS 100	1010			BROWN CLAYEY SILT GRADING TO BROWN SILTY CLAY. MOIST.
10	CS 100	1020			0.5' BROWN SILTY CLAY. 1' LIGHT AND DARK GRAY BANDED CLAY WITH SILT. 3.5' GRAYISH BROWN CLAY WITH TRACE SILT. MOIST.
20	CS 100	1025			GRAY BROWN MOTTLED SILTY CLAY. SAMPLE AT BOTTOM OF SAMPLE BARREL HAS INCREASED CLAY CONTENT, DARK AND LIGHT GRAY MOTTLED. SATURATED AT 17'.
					BROWN AND GRAY MOTTLED SILTY CLAY. PARTIALLY SATURATED. FAIRLY TIGHT CLAY IN BOTTOM 8".
30					
40					
50					



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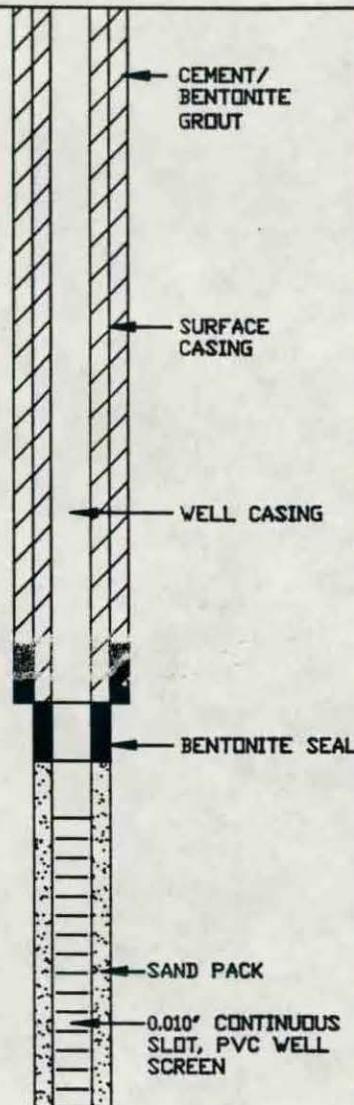
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CED2MW2  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/23/93

DWG NAME: CEDBL33

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
10					
20					
CS 100	1010				3' BROWN CLAYEY SILT. MOIST. 1' GRAY BROWN CLAYEY SILT. WET. 8" DARK GRAY SILT WITH VERY FINE SAND. WET. 4" BROWN CLAYEY SILT. MOIST.
CS 60	1020				GRAY FINE SAND WITH SILT. SATURATED.
40					TERMINATE BORING AT 40'.
50					



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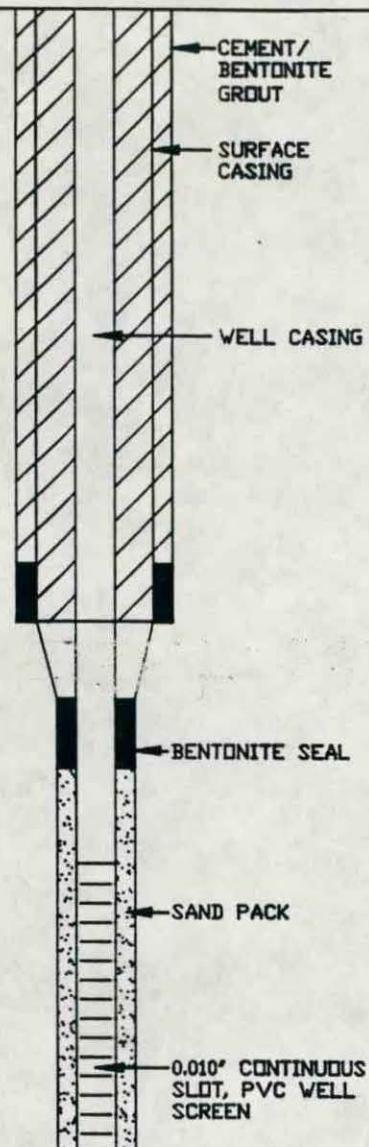
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CED2MW5  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/23/93

DWG NAME: CEDBL35

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: CONCRETE					
	CS	60	1105		Boring/Well Number: CED4MW-1 Date: 9-16-93 Surface Conditions: CONCRETE
	CS	100	1115		BROWN CLAYEY SILT. DAMP, STIFF. SOLVENT ODOR. BROWN CLAY W/SILT. MOIST.
10					4' BROWN SILTY CLAY. MOIST. 1' BROWN CLAY WITH SILT. MOIST.
	CS	100	1116		BROWN SILT W/ CLAY. GRAY BROWN AND GRAY MOTTLED SILT WITH CLAY. MOIST.
	CS	100	1125		4.5' GRAY CLAYEY SILT. WET. 3.5' GRAY CLAYEY SILT. MOIST, HARD. VERY STRONG ODOR. SET SURFACE CASING AT 20 FEET.
20					GRAY SILTY CLAY. WET.
	CS	100	1400		4.5' GRAY AND BROWN MOTTLED CLAY WITH SOME SILT. MOIST, VERY STIFF. 0.5' FINE GRAY. MOIST.
					GRAY FINE SILTY SAND. SATURATED.
	CS	100	1425		SET WELL AT 37'.
30					
	CS	60	1445		
40					
50					



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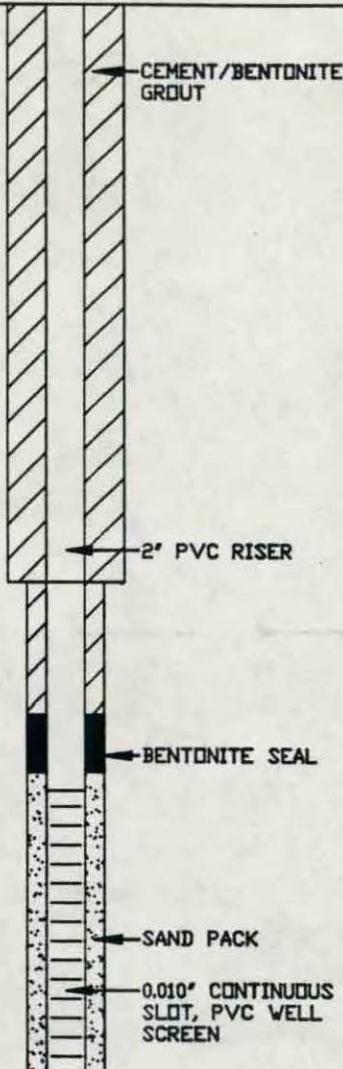
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CED4MW1  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/23/93

DWG NAME: CEDBL43

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: CONCRETE					
-	CS	60	1555	1000	TAN CLAYEY SILT. DAMP.
-	CS	100	1600	1000	BROWN SILT WITH CLAY. DAMP, LOOSE.
10	CS	100	1615		TAN CLAYEY SILT GRADING TO A GRAYISH GRAYISH CLAY. MOIST. BOTTOM 1" CLAY WITH SILT. MOIST, STIFF.
20	CS	100	1620		1' GRAYISH TAN SILTY CLAY. MOIST. 4' ORANGE BROWN SILTY CLAY.
30	CS	100	1635		GRAYISH TAN CLAY WITH SILT. MOIST. SET SURFACE CASING AT 21.5'
30	CS	100	1020	10.0	GRAY AND BROWN MOTTLED SILTY CLAY. MOIST. 0.5' OF ORANGE BROWN SILT WITH SOME ORANGE GRAVEL (OXIDIZED FE). MOIST.
40	CS	80	1045	6	ORANGE BROWN FINE SAND WITH SILT. SATURATED. SET WELL AT 37'. WATER IS YELLOW TO ORANGE WITH FOAM.
50					



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CED4MW2  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 11/23/93

DWG NAME: CEDBL45

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	80	1305	ND ND ND ND	BROWN CLAYEY SILT. MOIST.
	CS	100	1315	110 220 100	BROWN CLAYEY SILT. MOIST. VERY LIGHT STAINING.
10	CS	100	1320	95 76 100 280 250 700	BROWN CLAYEY SILT. MOIST. STRONG ODOR. VERY LIGHT STAINING.
	CS	80	1330	360 200 80	BROWN CLAYEY SILT. MOIST. HIGH FID READINGS: 700 PPM.
20	CS	100	1345	1000 1000 1000 1000	GRAY AND BROWN MOTTLED SILTY CLAY. MOIST. VERY STRONG ODOR
30	CS	80	1400	1000 1000 1000 1000	1.5' GRAY AND BROWN MOTTLED CLAYEY SILT. 0.5' BLACK AND ORANGE SILTY CLAY. 1' BROWN AND LIGHT ORANGE CLAYEY SILT. 1' BROWN CLAYEY SILT WITH FINE SAND. MOIST. LIGHT YELLOW STAINING. THE WATER IN THE BORINGS HAS AN OILY SHEEN.
40					
50					

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CED2SB6  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL37

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	0830	24 35 300 420 700	BROWN CLAYEY SILT. MOIST.
	CS	100	0845	107 145 225 100 45	BROWN CLAYEY SILT. MOIST.
10	CS	100	0905	32 50 70 40 50 94	BROWN CLAYEY SILT. MOIST.
	CS	60	0915	220	BROWN CLAYEY SILT. WET.
20	CS	80	0925	16 23 16	2' ORANGE BROWN CLAYEY SILT. 2' GRAY BROWN SILTY CLAY. MOIST.
	CS	100	0930	55 600 112 174	GRAY AND ORANGE BROWN MOTTLED CLAYEY SILT. MOIST.
30					
40					
50					

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CED2SB9  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL38

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (CPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS 100	1610	2		BROWN CLAYEY SILT. MOIST.
10	CS 100	1615	1000		1' BROWN CLAYEY SILT. 3" BLACK CLAYEY SILTY MATERIAL. REMAINING SAMPLE BROWN CLAYEY SILT. VERY LIGHT YELLOW STAINING.
20	CS 100	1625	1000		BROWN CLAYEY SILT. MOIST. VERY LIGHT YELLOW STAINING.
30	CS 80	1630	800		BROWN AND GRAY MOTTLED CLAYEY SILT WITH SOME BLACK INCLUSIONS.
40	CS 100	1640	120		ORANGE BROWN AND GRAY MOTTLED CLAYEY SILT GRADING TO A LIGHT BROWN SILTY CLAY.
50	CS 100	1650	180		ORANGE BROWN AND TAN MOTTLED SILTY CLAY. MOIST.

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CED2SB12  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL39

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1440	2	BROWN CLAYEY SILT. DAMP.
10	CS	80	1450	88	0.5' BROWN CLAYEY SILT. DAMP. 2.5' GRAVEL AND GRAY SILT. 1' BROWN CLAYEY SILT.
20	CS	100	1500	85	1' BROWN CLAYEY SILT GRADING TO A BROWN AND GRAY MOTTLED CLAYEY SILT.
30	CS	80	1510	45	2.5' BROWN CLAYEY SILT. MOIST. DISTINCT CONTACT TO BLACK CLAYEY SILT GRADING TO A LIGHT GRAY CLAYEY SILT.
40	CS	100	1515	100	BROWN AND ORANGE BROWN MOTTLED SILTY CLAY. WET
50	CS	100	1530	50	4' GRAY AND BROWN MOTTLED CLAYEY SILT GRADING TO 1' OF GRAY CLAYEY SILT.

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CED2SB7  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL40

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1125		3' LIGHT BROWN CLAYEY SILT. 2' GRAY CLAYEY SILT. DAMP. 1" LAYER OF BLACK SILTY MATERIAL AT BOTTOM.
10	CS	60	1135	1000	3' COARSE GRAVEL AND GRAY SILT (FILL). DRY.
	CS	100	1140	110	1' BROWN CLAYEY SILT. 4' GRAY GREEN AND DARK GRAY BANDED CLAYEY SILT. MOIST.
20	CS	100	1150	210	4' OLIVE SILTY CLAY. MOIST, MEDIUM STIFF. 1' BROWN SILTY CLAY. MOIST, MEDIUM STIFF.
	CS	90	1200	150	BROWN SILTY CLAY GRADING TO A GRAY BROWN SILTY CLAY. MOIST.
30	CS	40	1210	200	10" OLIVE SILTY CLAY WITH BROWN MOTTLING. 3" BROWN CLAY WITH SILT. VERY STIFF. REMAINING SAMPLE OLIVE BROWN SILT WITH CLAY AND FINE SAND.
40					
50					

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CED2SB4  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL41

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (CPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1540	4.5	BROWN CLAYEY SILT. DAMP, VERY HARD.
	CS	100	1545	36	BROWN CLAYEY SILT. DAMP, VERY HARD.
10	CS	100	1555	25	4.5' BROWN CLAYEY SILT. DAMP, VERY HARD. 0.5' GRAYISH BROWN CLAYEY SILT.
	CS	100	1600	401	3.5' LIGHT BROWN CLAYEY SILT. 1.5' GRAY SILTY CLAY. MOIST.
20	CS	100	1610	197	4.5' BROWN AND GRAY MOTTLED SILTY CLAY. 0.5' BROWN SILTY CLAY WITH FINE SAND.
	CS	50	1620	70	10" GRAY CLAYEY SILT WITH FINE SAND. WET. REMAINING SAMPLE SAME WITH GREATER AMOUNT OF SAND.
30					
40					
50					

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CED2SB1  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL42

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (CFPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1020	11.3	BROWN CLAYEY SILT. DAMP. 1" BAND OF BLACK CRYSTALLINE MATERIAL.
	CS	100	1030	22	BROWN CLAYEY SILT. MOIST.
10	CS	100	1035	72.0	BROWN CLAYEY SILT. MOIST.
	CS	70	1045	47	BROWN CLAYEY SILT. UPPER 2' MOIST, LOWER 1.5' WET.
20	CS	100	1055	19	GRAY SILTY CLAY GRADING TO GRAY CLAY WITH SILT.
	CS	100	1110	69	GRAY AND ORANGE BROWN MOTTLED SILTY CLAY. WET. GRADING TO GRAY AND ORANGE BROWN MOTTLED CLAY WITH SILT. VERY STIFF.
30					
40					
50					

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CED2SB8  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL44

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1335	2.0	LIGHT BROWN SILT. DRY.
	CS	60	1345	72	1.5' BROWN CLAYEY SILT. MOIST. 1.5' LIGHT BROWN SILT. DRY. LIGHT YELLOW STAINING.
10	CS	100	1355	260	BROWN CLAYEY SILT. MOIST. ODOR.
	CS	100		60	BROWN CLAYEY SILT. MOIST. VERY STRONG ODOR.
20	CS	100	1415	104	BROWN CLAYEY SILT. MOIST. ODOR. SOME YELLOW STAINING.
	CS	80	1425	92	3' BROWN CLAYEY SILT WITH FINE SAND. 0.25' FINE SILTY SAND. WET. YELLOW STAINING. OILY SHEEN ON WATER AND AUGERS.
30					
40					
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CED2SB5  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL46

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (CPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS 100	1215	3.5		4' BROWN CLAYEY SILT. 0.5' GRAY CLAYEY SILT. 0.5' BROWN CLAYEY SILT. DAMP.
10	CS 20	1130	90		0.5' GRAVEL WITH GRAY AND BROWN SILT. 0.5' BROWN CLAYEY SILT WITH GRAVEL. INSUFFICIENT RECOVERY FOR SAMPLE COLLECTION.
20	CS 100	1140	60		4' BROWN CLAYEY SILT. MOIST. 1' DARK GRAY TO BLACK CLAYEY SILT. MOIST.
30	CS 100	1245			3' DARK GRAY AND OLIVE MOTTLED CLAYEY SILT GRADING TO BROWN CLAYEY SILT. MOIST. STRONG ODOR.
40	CS 80	1255	1610		ORANGE BROWN AND GRAY MOTTLED SILTY CLAY.
50	CS 90	1310	750		4.5' ORANGE BROWN AND GRAY MOTTLED CLAYEY SILT. MOIST. 1" ORANGE BROWN (RUST COLORED) SILT. CONSOLIDATED, BRITTLE. 5" ORANGE BROWN AND GRAY MOTTLED CLAYEY SILT.

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CED2SB10  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL47

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS 100	1045	4.0		LIGHT BROWN CLAYEY SILT. DAMP.
	CS 80	1050	72		BROWN CLAYEY SILT. MOIST. SOME YELLOW STAINING.
10	CS 100	1100	180		BROWN CLAYEY SILT GRADING TO A BROWN SILTY CLAY. MOIST. SOME LIGHT YELLOW STAINING.
	CS 80	1105	60		BROWN CLAYEY SILT GRADING TO A BROWN SILT WITH CLAY. MOIST.
20	CS 100	1115	101		1' BROWN CLAY WITH SILT. VERY STIFF. 2.5' BROWN AND GRAY MOTTLED CLAY WITH SILT. MEDIUM SOFT. 1.5' ORANGE BROWN AND GRAY MOTTLED CLAY WITH SILT.
	CS 80	1125	350		3' ORANGE BROWN AND GRAY MOTTLED CLAYEY SILT. WET. 1' ORANGE BROWN AND GRAY MOTTLED CLAY WITH SILT. VERY STIFF. MOIST.
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CED2SB11  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL48

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
1	CS	80	1550	8.9	1' BROWN AND GRAY MOTTLED SILT WITH CLAY GRADING TO BROWN CLAYEY SILT. MOIST.
10	CS	60	1600	10.1	1' BROWN CLAYEY SILT. MOIST, VERY SOFT. 2' BROWN SILT WITH CLAY. MOIST, HARD. 2" HARD GRAY SILT.
20					
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CED6SBK  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL49

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (CFPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
10	CS	100	1325	6.5	5' BROWN CLAY WITH SILT. 2" BAND OF GRAY SILT WITH GRAVEL AT 10". DAMP.
20	CS	60	1335	2.6	BROWN CLAYEY SILT. MOIST.
30					
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CED6SBG  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL50

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
	CS	80	1455	6.4	BROWN SILT WITH CLAY. MOIST.
	CS	100	1500	16.2	GRAYISH BROWN CLAYEY SILT. MOIST.
10					
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CED6SBD  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL51

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
	CS	80	1415	4.4	BROWN CLAYEY SILT. MOIST. SLIGHT ODOR.
	CS	100	1420	8.0	BROWN CLAYEY SILT. MOIST. NO ODOR.
10					
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CED6SBC  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL52

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
	CS 100				
	CS 100	1610	2.6		
10	CS 100	1625	2.5		
20					
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CED6SBJ  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL53

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
	CS	80	1535	2.8	NO RECOVERY
					1' DARK GRAY SILT WITH CLAY GRADING TO BROWN AND LIGHT GRAY MOTTLED CLAYEY SILT.
10	CS	100	1545	3.3	BROWN CLAYEY SILT. MOIST.
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CED6SBF  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL54

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
	CS	80	1455	25.0	1' GRAY SILT WITH CLAY. 3' BROWN CLAYEY SILT. MOIST.
	CS	100	1505	2.5	BROWN CLAYEY SILT. MOIST.
10					
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CED6SBA  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL55

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
	CS	80	1402	7.0	BROWN AND GRAY MOTTLED CLAYEY SILT. DAMP.
	CS	100	1410		BROWN CLAYEY SILT. MOIST.
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CED6SBE  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL56

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS 100	0825			BROWN CLAYEY SILT WITH SOME GRAVEL AT 2'. DAMP.
10	CS 80	0835			BROWN CLAYEY SILT. DAMP.
20					
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CED6SBH  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL57

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
-	CS	60	1625		TOP 2" GRAVEL. 2" YELLOW STAINED, LOOSE SILT. 20" BROWN SILTY CLAY. MOIST. 1' LIGHT TAN CLAYEY SILT. MOIST. LIGHT YELLOW STAINING ON ENTIRE SAMPLE.
10	CS	50	1630		15" TAN CLAYEY SILT. MOIST. 15" BROWN SILTY CLAY. STIFF, MOIST. NO VISIBLE STAINING.
20					
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CED9SB9  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL19

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
10	CS	50	1320		2" ASPHALT AND GRAVEL. 28" TAN CLAYEY SILT WITH YELLOW STAINING. MOIST.
10	CS	100	1325		BROWN CLAYEY SILT. MOIST. NO STAINING.
20					
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CED9SB10  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL20

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
10	CS	50	1350		2" ASPHALT AND GRAVEL. 28" BROWN CLAYEY SILT. MOIST. YELLOW STAINING.
10	CS	100	1400		BROWN CLAYEY SILT. MOIST. NO OBVIOUS STAINING.
20					
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CED9SB11  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL21

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
	CS	80	1425		2" GRAVEL AND SILT. 3" YELLOW CRYSTALLINE MATERIAL. 3.5' TAN CLAYEY SILT WITH HEAVY YELLOW STAINING.
10	CS	100	1435		BROWN SILTY CLAY. MOIST. SOME LIGHT STAINING IN UPPER 1'. NO STAINING IN BOTTOM 4' OF SAMPLE.
20					
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CED9SB12  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL22

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
	CS	80	1450		BROWN CLAYEY SILT. MOIST. YELLOW STAINING AND ODOR OBSERVED IN SAMPLE.
10	CS	100	1455		BROWN SILTY CLAY. MOIST. NO STAINING.
20					
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CED9SB13  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL23

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
	CS	80	1535		BROWN SILTY CLAY. MOIST. VERY LITTLE YELLOW STAINING.
10	CS	100	1540		BROWN SILTY CLAY. MOIST. NO STAINING.
20					
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CED9SB14  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL24

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
	CS 100	1610			2.5' LIGHT BROWN SILTY CLAY. DISTINCT CONTACT TO DARK BROWN SILTY CLAY. MOIST. NO STAINING.
10	CS 100	1615			3' BROWN SILTY CLAY. MOIST, SOFT. 2' BROWN SILTY CLAY. MOIST, STIFF. NO STAINING.
20					
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CED9SB15  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL25

DEPTH (FEET)	SAMPLE	TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL						
-	CS	60	0950			
10	CS	100	1000			
20						
30						
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CED9SB16 BORING LOG CEDAR CHEMICAL CO.						
DATE: 10/26/93				DWG NAME: CEDBL26		

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT & CONCRETE					
-	CS	60	1450		1' BROWN CLAYEY SILT. MOIST. HEAVY YELLOW STAINING. 2' LIGHT BROWN CLAY WITH SILT. WET, VERY SOFT. NO VISIBLE STAINING.
-	CS	100	1502		BROWN SILTY CLAY. MOIST. NO STAINING, BUT A SLIGHT ODOR WAS DETECTED.
10					
20					
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CED9SB17  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL27

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: CONCRETE					
-	CS	80	1535		1.5' BROWN CLAYEY SILT. DAMP, HARD. 2.5' BROWN SILTY CLAY. MOIST, SOFT. VERY LIGHT STAINING.
10	CS	100	1545		BROWN SILTY CLAY. MOIST, FIRM. NO OBVIOUS STAINING.
20					
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CED9SB18  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL28

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	1047		LIGHT BROWN CLAYEY SILT. DAMP.
10	CS	80	1055		BROWN CLAYEY SILT. MOIST. ODOR.
15	CS	100	1100		BROWN SILTY CLAY. MOIST.
20	CS	90	1103		2.5' GRAY BROWN CLAYEY SILT WITH 5 THIN DARK GRAY BANDS. 2' GRAY BROWN CLAYEY SILT. WET TO SATURATED.
25	CS	100	1110		0.5' GRAY BROWN SILTY CLAY. SATURATED. 0.5' GRAY BROWN AND ORANGE MOTTLED CLAY WITH SILT. MOIST. 0.5' BROWN SILTY CLAY. SATURATED. 1' GRAY BROWN AND ORANGE MOTTLED CLAY WITH SILT. MOIST, MEDIUM SOFT. 2.5' LIGHT GRAY AND DARK GRAY MOTTLED CLAY WITH SILT. MOIST, MEDIUM STIFF. STRONG ODOR.
30	CS	100	1120		3' GRAY CLAY WITH SILT. MOIST. DISTINCT CONTACT TO VERY DARK GRAY CLAY WITH TRACE SILT. DAMP TO MOIST. VERY STRONG ODOR.
35	CS	100	1140		4' GRAY CLAY WITH SILT. MOIST. 1' VERY FINE SAND WITH SILT. SATURATED.
40	CS	100	1155		VERY FINE SAND WITH SILT. SATURATED. 0.5' CLAYEY SILT. TERMINATE BORING AT 40 FEET.
50					

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CED2SBTB  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL29

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
CS	90	1510			2' BROWN SILT WITH CLAY (FILL) WITH A DISTINCT CONTACT TO GRAY BROWN CLAYEY SILT (NATIVE MATERIAL).
10					
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CED3SED10  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL32

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: CONCRETE					
CS	90	1545			BROWN CLAYEY SILT. LIGHT STAINING.
10					
CS	100	1555			BROWN CLAYEY SILT. NO STAINING.
20					
30					
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CED9SB19  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL34

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
	CS 100	1622			BROWN CLAYEY SILT. MOIST.
10	CS 100	1630			BROWN CLAYEY SILT. MOIST.
20	CS 100	0910			BROWN CLAYEY SILT. MOIST. HIGH FID READINGS: 200-600 PPM.
30	CS 100	0915			BROWN CLAYEY SILT. MOIST. HIGH FID READINGS 350 PPM.
40					
50					

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CED2SB3  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL36

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	90	1500	5.4	BROWN CLAYEY SILT. MOIST
	CS	100	1510	250	BROWN CLAYEY SILT. MOIST. 6" OF LOOSE SILT AT 7'. SOME YELLOW STAINING.
10					
	CS	100	1515	91.3	BROWN CLAYEY SILT. MOIST. STRONG ODOR.
20					
	CS	100	1530	184	BROWN CLAYEY SILT GRADING TO A BROWN SILTY CLAY. MOIST. STRONG ODOR.
	CS	100	1540	184	GRAY AND BROWN MOTTLED SILTY CLAY. MEDIUM SOFT. MOIST TO WET. SLIGHT OIL SHEEN ON SAMPLE. STRONG ODOR.
30					
	CS	60	1550	175	1' GRAY AND BROWN MOTTLED SILT WITH CLAY AND FINE SAND. 2' FINE SILTY SAND. SATURATED.
40					
50					

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CED25B2  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL1

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRASS					
	CS	100	0850		24" TAN SILT. DRY. 24" GRAY CLAYEY SILT. DAMP. 12" TAN CLAYEY SILT. DAMP.
10	CS	100	0900		TAN CLAYEY SILT. DAMP.
20	CS	80	0910		12" BROWN AND GRAY MOTTLED CLAYEY SILT. DAMP. 24" BROWN AND GRAY MOTTLED SILTY CLAY. WET. 12" GRAY AND BROWN SILTY CLAY. MOIST.
20	CS	100	0915		GRAY AND BROWN MOTTLED SILTY CLAY. WET. GRAY CLAY WITH SILT. MOIST TO WET.
30	CS	100	0920		12" GRAY SILTY CLAY WITH VERY FINE SAND. SATURATED. 12" GRAY SILTY CLAY. MOIST. 36" GRAY CLAY WITH SILT. MOIST.
30	CS	100	0945		4' DARK GRAY SILTY CLAY. MOIST WITH TRACE VERY FINE SAND. 1' DARK GRAY SILTY CLAY.
40	CS	100			TERMINATE BORING AT 35'. WILL ABANDON THIS BORING, MOVE APPROXIMATELY 5 FEET AND SET A SHALLOW WELL IN THE PERCHED ZONE ENCOUNTERED AT 18 FEET.
50					

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MW1-1A  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL2

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
AUGURED TO A DEPTH OF 16 FEET AT A 45° ANGLE BEFORE COLLECTING FIRST SAMPLE.					
10					
16	CS	100	1553		16-18 FEET. BROWN SILTY CLAY. MOIST. NO VISIBLE STAINING.
20	CS	100	1610		21-23 FEET. BROWN SILTY CLAY. MOIST. NO VISIBLE STAINING.
30					
40					
50					

Environmental and Safety Designs, Inc.



5724 SUMMER TREES DR. MEMPHIS, TN. 38134 (901)372-7962  
NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH, NC.

CED5SB1  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL9

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
					AUGURED TO A DEPTH OF 16 FEET AT A 45° ANGLE BEFORE COLLECTING FIRST SAMPLE.
10					
16	CS 100	0936			16-18 FEET BROWN SILTY CLAY. MOIST. NO STAINING. ODOR.
20					
21	CS 100	1000			21-23 FEET BROWN SILTY CLAY. WET. NO STAINING. ODOR.
25					
30					
35					
40					
45					
50					

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CED5SB2  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL10

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	VAPOR CONC. (PPM)	TIME	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
	CS	40	1330		BROWN SILT WITH CLAY. MOIST. NO STAINING. SOME WOOD AND OTHER DEBRIS WAS ENCOUNTERED.
	CS	30	1333		BROWN SILT WITH CLAY. MOIST.
10					TERMINATE BORING AT 10 FEET.
20					
30					
40					
50					

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NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH, NC.

CED9SB1  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL11

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
	CS	100	1400		TAN SILT WITH CLAY. MOIST. SLIGHT YELLOW STAINING.
10	CS	100	1405		BROWN SILTY CLAY. NO STAINING.
					TERMINATE BORING AT 10'.
20					
30					
40					
50					
Environmental and Safety Designs, Inc.					
 5724 SUMMER TREES DR. MEMPHIS, TN 38134 •(901)372-7962 NASHVILLE, TN, PENSACOLA, FL, AND RALEIGH, NC					
CED9SB2 BORING LOG CEDAR CHEMICAL CO.					
DATE:10/26/93      DWG NAME: CEDBL12					

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: SOIL					
-	CS	100	1440		BROWN SILTY CLAY. MOIST, HARD. BRICK RED STAINING AT 1 FOOT. STRONG CHEMICAL ODOR.
10	CS	100	1445		BROWN SILTY CLAY. MOIST. NO STAINING.
10					TERMINATE BORING AT 10'.
20					
30					
40					
50					

Environmental and Safety Designs, Inc.



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NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH, NC.

CED9SB3  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL13

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
	CS 100	0750			BROWN CLAYEY SILT. MOIST. HEAVY YELLOW STAINING. 2" OF BRIGHT YELLOW CRYSTALLINE MATERIAL AT 3'.
10	CS 100	0800			4' BROWN CLAYEY SILT WITH YELLOW STAINING. 1' BROWN CLAYEY SILT. NO STAINING. TERMINATE BORING AT 10'.
20					
30					
40					
50					

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CED9SB4  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL14

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: GRAVEL					
	CS	100	0830		1.5' BROWN SILTY CLAY. 0.5' GRAVEL FILL. 0.5' BROWN SILTY CLAY AND ONE PIECE OF BLACK PLASTIC. 2.5' YELLOWISH TAN SILT WITH CLAY. HEAVY YELLOW STAINING.
10	CS	100	0835		1' TAN SILTY CLAY. WET. 4' BROWN SILTY CLAY. SOME YELLOW STAINING IN THE TOP 4'. VERY LITTLE TO NO STAINING IN THE BOTTOM 1'.
20					
30					
40					
50					

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CED9SB5  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL15

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
10	CS	60	1145		BROWN SILTY CLAY. MOIST. SLIGHT YELLOW STAINING.
10	CS	100	1150		BROWN SILTY CLAY. MOIST. NO STAINING BUT, AN ODOR WAS DETECTED.
20					
30					
40					
50					

Environmental and Safety Designs, Inc.



5724 SUMMER TREES DR. MEMPHIS, TN. 38134 (901)372-7962  
NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH, NC.

CED9SB6  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL16

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: CONCRETE					
-	CS	60	1445		TAN CLAYEY SILT. VERY HEAVY YELLOW STAINING.
10	CS	100	1450		4' TAN CLAY WITH SILT. WET TO MOIST. 1' BROWN SILTY CLAY. HEAVY YELLOW STAINING.
20	CS	100	1510		BROWN SILTY CLAY. MOIST. NO VISIBLE STAINING.
30					
40					
50					

Environmental and Safety Designs, Inc.



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NASHVILLE, TN. PENSACOLA, FL. AND RALEIGH, NC.

CED9SB7  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL17

DEPTH (FEET)	SAMPLE TYPE	% RECOVERY	TIME	VAPOR CONC. (PPM)	DESCRIPTION OF SUBSURFACE MATERIALS
SURFACE CONDITIONS: ASPHALT					
	CS	60	1550		BROWN SILTY CLAY. MOIST. HEAVY YELLOW STAINING IN TOP 0.5'.
10	CS	100	1555		BROWN SILTY CLAY. MOIST. NO VISIBLE STAINING.
20					
30					
40					
50					

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CED9SB8  
BORING LOG  
CEDAR CHEMICAL CO.

DATE: 10/26/93

DWG NAME: CEDBL18

ATTACHMENT C

Laboratory Report

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1HA6	CED1HA7	CED1HA8
LAB SAMPLE ID--->	Q30911301A	Q30911302A	Q30911303A
RECEIPT DATE---->	09/10/93	09/10/93	09/10/93

PARAMETER	UNITS			
M Lead	MG/KG	12.1000	J	9.4000 J
M Arsenic	MG/KG	6.1000	R	4.2000 R
M Barium	MG/KG	248.0000		142.0000
M Chromium	MG/KG	22.9000		18.7000
M Selenium	MG/KG	.		.
P Dieldrin	ug/Kg	.		4.0000
				11.8000 J
				5.2000 R
				77.6000
				21.7000
				0.8100
				.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1HA9	CED1SD1
LAB SAMPLE ID--->	Q30911401A	Q30911402A
RECEIPT DATE---->	09/10/93	09/10/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	12.5000	15.9000	.
M Mercury	MG/KG	.	2.7000	.
M Arsenic	MG/KG	6.3000	J	61.0000 J
M Barium	MG/KG	157.0000	J	58.5000 J
M Cadmium	MG/KG	0.3800	UJ	0.9400 J
M Chromium	MG/KG	16.5000	J	51.8000 J
P Beta BHC	ug/Kg	.	.	180.0000
P gamma-Chlordane	ug/Kg	.	.	300.0000
P Gamma BHC	ug/Kg	.	.	63.0000
S 4-Methylphenol	ug/Kg	.	39000.0000	J
S 3,4-Dichloroaniline	ug/Kg	.	1200000.00	.
V Toluene	UG/KG	.	170.0000	.
V Chlorobenzene	UG/KG	.	190.0000	.
V Total Xylenes	UG/KG	.	74.0000	.
V 2-Hexanone	UG/KG	.	210.0000	J
V Acetone	UG/KG	.	1200.0000	.
V Benzene	UG/KG	.	30.0000	J
V 2-Butanone	UG/KG	.	1800.0000	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SD2	CED1SD3	CED1SD3DIL
LAB SAMPLE ID--->	Q30911403A	Q30911404A	Q30911404
RECEIPT DATE---->	09/10/93	09/10/93	09/10/93

PARAMETER	UNITS			
M Lead	MG/KG	14.3000	11.4000	.
M Mercury	MG/KG	.	3.3000	.
M Silver	MG/KG	.	1.2000	.
M Arsenic	MG/KG	19.0000 J	123.0000 J	.
M Barium	MG/KG	27.8000 J	69.2000 J	.
M Cadmium	MG/KG	0.3700 UJ	0.6300 J	.
M Chromium	MG/KG	16.7000 J	82.0000 J	.
P Beta BHC	ug/Kg	.	.	86.0000
P 4,4'-DDT	ug/Kg	.	.	450.0000 J
P Gamma BHC	ug/Kg	.	.	38.0000
S 3,4-Dichloroaniline	ug/Kg	5500.0000	910000.000	.
V Ethylbenzene	UG/KG	.	19.0000	.
V 4-Methyl-2-Pentanone	UG/KG	.	22.0000	J
V Toluene	UG/KG	.	87.0000	.
V Chlorobenzene	UG/KG	.	66.0000	.
V Total Xylenes	UG/KG	.	330.0000	.
V 2-Hexanone	UG/KG	.	12.0000	J
V Acetone	UG/KG	.	280.0000	.
Benzene	UG/KG	.	6.0000	J
V 2-Butanone	UG/KG	2.0000 J	150.0000	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SHA1	CED1SHA2	CED1SHA3
LAB SAMPLE ID--->	Q30906207A	Q30906208A	Q30906209A
RECEIPT DATE---->	09/04/93	09/04/93	09/04/93

PARAMETER	UNITS	CED1SHA1	CED1SHA2	CED1SHA3
M Lead	MG/KG	8.1000	8.7000	8.9000
M Arsenic	MG/KG	5.1000 J	44.6000 J	5.8000 J
M Barium	MG/KG	119.0000	164.0000	163.0000
M Chromium	MG/KG	10.6000 J	14.2000 J	12.7000 J
M Selenium	MG/KG	0.6000 R	0.6200 R	0.5500 R
P Aldrin	ug/Kg	.	22.0000	.
P 4,4'-DDT	ug/Kg	380.0000	.	31.0000 J
P 4,4'-DDD	ug/Kg	110.0000	.	.
P 4,4'-DDE	ug/Kg	98.0000	47.0000	7.8000
S Pyrene	UG/KG	.	160.0000 J	.
S Dinoseb	UG/KG	9600.0000	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SHA4	CED1SHA5
LAB SAMPLE ID--->	Q30906501A	Q30906502A
RECEIPT DATE--->	09/04/93	09/04/93
PARAMETER	UNITS	CED1SHA5DIL

M	Lead	MG/KG	19.5000	J	7.6000	J	.	.
M	Arsenic	MG/KG	7.3000	R	3.2000	R	.	.
M	Barium	MG/KG	152.0000		43.8000		.	.
M	Chromium	MG/KG	13.5000		9.3000		.	.
P	Heptachlor epoxide	ug/Kg	630.0000	UJ	.	.	13000.0000	UJ
P	Endosulfan Sulfate	ug/Kg	50.0000	UJ	4900.0000	J	10000.0000	UJ
P	Aldrin	ug/Kg	31.0000	UJ	.	.	610.0000	UJ
P	Alpha BHC	ug/Kg	23.0000	UJ	.	.	460.0000	UJ
P	Beta BHC	ug/Kg	47.0000	J	510.0000	J	920.0000	UJ
P	Delta BHC	ug/Kg	69.0000	UJ	2100.0000	J	1400.0000	UJ
P	Endosulfan II	ug/Kg	31.0000	UJ	.	.	610.0000	UJ
P	4,4'-DDT	ug/Kg	92.0000	UJ	.	.	1800.0000	UJ
P	Alpha Chlordane	ug/Kg	110.0000	UJ	.	.	2100.0000	UJ
P	gamma-Chlordane	ug/Kg	110.0000	UJ	.	.	2100.0000	UJ
P	Endrin Ketone	ug/Kg	180.0000	UJ	.	.	3500.0000	UJ
P	Gamma BHC	ug/Kg	31.0000	UJ	.	.	610.0000	UJ
P	Dieldrin	ug/Kg	15.0000	UJ	460.0000	J	593.0000	UJ
	Endrin	ug/Kg	46.0000	UJ	.	.	920.0000	UJ
	Methoxychlor	ug/Kg	140.0000	UJ	.	.	27000.0000	UJ
P	4,4'-DDD	ug/Kg	84.0000	UJ	.	.	1700.0000	UJ
P	4,4'-DDE	ug/Kg	31.0000	J	.	.	610.0000	UJ
P	Heptachlor	ug/Kg	23.0000	UJ	.	.	460.0000	UJ
P	Toxaphene	ug/Kg	180.0000	UJ	.	.	37000.0000	UJ
P	Endosulfan I	ug/Kg	110.0000	UJ	.	.	2100.0000	UJ
S	4-Nitroaniline	UG/KG	300000.000	UJ	.	.	.	.
S	4-Nitrophenol	UG/KG	760000.000	UJ	.	.	.	.
S	Benzyl Alcohol	UG/KG	300000.000	UJ	.	.	.	.
S	4-Bromophenyl-phenylether	UG/KG	150000.000	UJ	.	.	.	.
S	2,4-Dimethylphenol	UG/KG	150000.000	UJ	.	.	.	.
S	4-Methylphenol	UG/KG	150000.000	UJ	.	.	.	.
S	1,4-Dichlorobenzene	UG/KG	150000.000	UJ	260.0000	J	.	.
S	4-Chloroaniline	UG/KG	300000.000	UJ	.	.	.	.
S	bis(2-Chloroisopropyl)Ether	UG/KG	150000.000	UJ	.	.	.	.
S	Phenol	UG/KG	150000.000	UJ	.	.	.	.
S	bis(2-Chloroethyl) Ether	UG/KG	150000.000	UJ	.	.	.	.
S	bis(2-Chloroethoxy)Methane	UG/KG	150000.000	UJ	.	.	.	.
S	bis(2-Ethylhexyl)Phthalate	UG/KG	150000.000	UJ	.	.	.	.
S	Di-n-Octyl Phthalate	UG/KG	150000.000	UJ	.	.	.	.
S	Hexachlorobenzene	UG/KG	150000.000	UJ	.	.	.	.
S	Anthracene	UG/KG	150000.000	UJ	.	.	.	.
S	1,2,4-Trichlorobenzene	UG/KG	150000.000	UJ	.	.	.	.
S	2,4-Dichlorophenol	UG/KG	150000.000	UJ	.	.	.	.
S	2,4-Dinitrotoluene	UG/KG	150000.000	UJ	.	.	.	.
	Pyrene	UG/KG	150000.000	UJ	.	.	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SHA4	CED1SHA5
LAB SAMPLE ID--->	Q30906501A	Q30906502A
RECEIPT DATE--->	09/04/93	Q30906502

PARAMETER	UNITS						
S Dimethyl Phthalate	UG/KG	150000.000	UJ	.	.	.	.
S Dibenzofuran	UG/KG	150000.000	UJ	.	.	.	.
S Indeno(1,2,3-cd)pyrene	UG/KG	150000.000	UJ	.	.	.	.
S Benzo(b)Fluoranthene	UG/KG	150000.000	UJ	.	.	.	.
S Fluoranthene	UG/KG	150000.000	UJ	.	.	.	.
S Benzo(k)Fluoranthene	UG/KG	150000.000	UJ	.	.	.	.
S Acenaphthylene	UG/KG	150000.000	UJ	.	.	.	.
S Chrysene	UG/KG	150000.000	UJ	.	.	.	.
S Benzo(a)Pyrene	UG/KG	150000.000	UJ	.	.	.	.
S 2,4-Dinitrophenol	UG/KG	150000.000	UJ	.	.	.	.
S 4,6-Dinitro-2-Methylphenol	UG/KG	760000.000	UJ	.	.	.	.
S 1,3-Dichlorobenzene	UG/KG	150000.000	UJ	.	.	.	.
S Benzo(a)Anthracene	UG/KG	150000.000	UJ	.	.	.	.
S 4-Chloro-3-Methylphenol	UG/KG	300000.000	UJ	.	.	.	.
S 2,6-Dinitrotoluene	UG/KG	150000.000	UJ	.	.	.	.
S N-Nitroso-Di-n-Propylamine	UG/KG	150000.000	UJ	.	.	.	.
S Benzoic Acid	UG/KG	760000.000	UJ	.	.	.	.
S Hexachloroethane	UG/KG	150000.000	UJ	.	.	.	.
S 4-Chlorophenyl-phenylether	UG/KG	150000.000	UJ	.	.	.	.
S Propanil	UG/KG	150000.000	UJ	.	.	.	.
S Hexachlorocyclopentadiene	UG/KG	150000.000	UJ	.	.	.	.
S Isophorone	UG/KG	150000.000	UJ	.	.	.	.
S Acenaphthene	UG/KG	150000.000	UJ	.	.	.	.
S Diethylphthalate	UG/KG	150000.000	UJ	.	.	.	.
S Di-n-Butylphthalate	UG/KG	150000.000	UJ	.	.	.	.
S Phenanthrene	UG/KG	150000.000	UJ	.	.	.	.
S Butylbenzylphthalate	UG/KG	150000.000	UJ	.	.	.	.
S N-Nitrosodiphenylamine	UG/KG	150000.000	UJ	.	.	.	.
S Fluorene	UG/KG	150000.000	UJ	.	.	.	.
S Hexachlorobutadiene	UG/KG	150000.000	UJ	.	.	.	.
S Pentachlorophenol	UG/KG	760000.000	UJ	.	.	.	.
S 2,4,6-Trichlorophenol	UG/KG	150000.000	UJ	.	.	.	.
S 2-Nitroaniline	UG/KG	760000.000	UJ	.	.	.	.
S 2-Nitrophenol	UG/KG	150000.000	UJ	.	.	.	.
S Naphthalene	UG/KG	150000.000	UJ	.	.	.	.
S 2-Methylnaphthalene	UG/KG	150000.000	UJ	.	.	.	.
S 2-Chloronaphthalene	UG/KG	150000.000	UJ	.	.	.	.
S 3,3'-Dichlorobenzidine	UG/KG	300000.000	UJ	.	.	.	.
S 2-Methylphenol	UG/KG	150000.000	UJ	.	.	.	.
S 1,2-Dichlorobenzene	UG/KG	150000.000	UJ	.	.	.	.
S 2-Chlorophenol	UG/KG	150000.000	UJ	.	.	.	.
S 3,4-Dichloroaniline	UG/KG	1500000.00	J	.	.	.	.
S 2,4,5-Trichlorophenol	UG/KG	150000.000	UJ	.	.	.	.
S Nitrobenzene	UG/KG	150000.000	UJ	.	.	.	.
S 3-Nitroaniline	UG/KG	760000.000	UJ	.	.	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SHA4	CED1SHA5
LAB SAMPLE ID--->	Q30906501A	Q30906502A
RECEIPT DATE---->	09/04/93	Q30906502

PARAMETER	UNITS				
S Dinoseb	UG/KG	150000.000	UJ	.	
V Ethylbenzene	UG/KG	.	13.0000	J	720.0000 UJ
V Styrene	UG/KG	.	.		720.0000 UJ
V cis-1,3-Dichloropropene	UG/KG	.	.		720.0000 UJ
V trans-1,3-Dichloropropene	UG/KG	.	.		720.0000 UJ
V 1,2-Dichloroethane	UG/KG	.	1100.0000	R	6100.0000 J
V Vinyl acetate	UG/KG	.	.		720.0000 UJ
V 4-Methyl-2-Pentanone	UG/KG	.	92.0000	J	7200.0000 UJ
V Toluene	UG/KG	.	930.0000		6500.0000 UJ
V Chlorobenzene	UG/KG	.	.		720.0000 UJ
V Dibromochloromethane	UG/KG	.	.		720.0000 UJ
V Tetrachloroethene	UG/KG	.	760.0000		5400.0000 UJ
V Total Xylenes	UG/KG	3.0000	J	440.0000	5400.0000 UJ
V 1,2-dichloroethene (total)	UG/KG	.	.		720.0000 UJ
V Carbon tetrachloride	UG/KG	.	.		720.0000 UJ
V 2-Hexanone	UG/KG	.	.		7200.0000 UJ
V Acetone	UG/KG	.	64.0000		1400.0000 UJ
V Chloroform	UG/KG	.	98.0000		450.0000 UJ
U Benzene	UG/KG	.	.		720.0000 UJ
1,1,1-Trichloroethane	UG/KG	.	.		720.0000 UJ
V Bromomethane	UG/KG	.	.		1400.0000 UJ
V Chloromethane	UG/KG	.	.		1400.0000 UJ
V Chloroethane	UG/KG	.	.		1400.0000 UJ
V Vinyl chloride	UG/KG	.	.		720.0000 UJ
V Methylene chloride	UG/KG	.	6.0000	J	720.0000 UJ
V Carbon disulfide	UG/KG	.	.		720.0000 UJ
V Bromoform	UG/KG	.	.		720.0000 UJ
V Bromodichloromethane	UG/KG	.	.		720.0000 UJ
V 1,1-Dichloroethane	UG/KG	.	.		720.0000 UJ
V 1,1-Dichloroethene	UG/KG	.	.		720.0000 UJ
V 1,2-Dichloropropane	UG/KG	.	.		720.0000 UJ
V 2-Butanone	UG/KG	57.0000		53.0000	1400.0000 UJ
V 1,1,2-Trichloroethane	UG/KG	.	.		720.0000 UJ
V Trichloroethene	UG/KG	.	.		720.0000 UJ
V 1,1,2,2-Tetrachloroethane	UG/KG	.	.		720.0000 UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SHA5RE	CED1SMW11
LAB SAMPLE ID--->	Q30906502A	Q30906001A
RECEIPT DATE---->	09/04/93	09/04/93

PARAMETER	UNITS			
M Lead	MG/KG	.	9.1000	8.5000
M Arsenic	MG/KG	.	5.7000	J 6.1000 J
M Barium	MG/KG	.	248.0000	130.0000
M Chromium	MG/KG	.	12.7000	J 14.4000 J
M Selenium	MG/KG	.	0.5900	R 0.6100 R
P 4,4'-DDD	ug/Kg	.	12.0000	.
P 4,4'-DDE	ug/Kg	.	11.0000	.
V Ethylbenzene	UG/KG	720.0000	UJ	.
V Styrene	UG/KG	720.0000	UJ	.
V cis-1,3-Dichloropropene	UG/KG	720.0000	UJ	.
V trans-1,3-Dichloropropene	UG/KG	720.0000	UJ	.
V 1,2-Dichloroethane	UG/KG	7500.0000	J	.
V Vinyl acetate	UG/KG	720.0000	UJ	.
V 4-Methyl-2-Pantanone	UG/KG	7200.0000	UJ	.
V Toluene	UG/KG	8100.0000	UJ	.
V Chlorobenzene	UG/KG	720.0000	UJ	.
V Dibromochloromethane	UG/KG	720.0000	UJ	.
V Tetrachloroethene	UG/KG	6400.0000	UJ	.
Total Xylenes	UG/KG	6400.0000	UJ	.
V 1,2-dichloroethene (total)	UG/KG	720.0000	UJ	.
V Carbon tetrachloride	UG/KG	720.0000	UJ	.
V 2-Hexanone	UG/KG	7200.0000	UJ	.
V Acetone	UG/KG	1400.0000	UJ	130.0000
V Chloroform	UG/KG	580.0000	UJ	.
V Benzene	UG/KG	720.0000	UJ	.
V 1,1,1-Trichloroethane	UG/KG	720.0000	UJ	.
V Bromomethane	UG/KG	1400.0000	UJ	.
V Chloromethane	UG/KG	1400.0000	UJ	.
V Chlороethane	UG/KG	1400.0000	UJ	.
V Vinyl chloride	UG/KG	720.0000	UJ	.
V Methylene chloride	UG/KG	720.0000	UJ	.
V Carbon disulfide	UG/KG	720.0000	UJ	.
V Bromoform	UG/KG	720.0000	UJ	.
V Bromodichloromethane	UG/KG	720.0000	UJ	.
V 1,1-Dichloroethane	UG/KG	720.0000	UJ	.
V 1,1-Dichloroethene	UG/KG	720.0000	UJ	.
V 1,2-Dichloropropane	UG/KG	720.0000	UJ	.
V 2-Butanone	UG/KG	1400.0000	UJ	.
V 1,1,2-Trichloroethane	UG/KG	720.0000	UJ	.
V Trichloroethene	UG/KG	720.0000	UJ	.
V 1,1,2,2-Tetrachloroethane	UG/KG	720.0000	UJ	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SMW21	CED1SMW22	CED1SMW31
LAB SAMPLE ID--->	Q30906003A	Q30906004A	Q30906101A
RECEIPT DATE--->	09/04/93	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	9.1000	11.2000	9.3000
M Arsenic	MG/KG	14.0000 J	7.0000 J	6.8000 J
M Barium	MG/KG	156.0000	193.0000	100.0000
M Chromium	MG/KG	10.9000 J	15.0000 J	11.3000 J
M Selenium	MG/KG	0.5800 R	0.6100 R	0.5700 R
P 4,4'-DDD	ug/Kg	13.0000	.	.
P 4,4'-DDE	ug/Kg	6.1000	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED1SMW32                    CED1SMW41                    CED1SMW42  
LAB SAMPLE ID---> Q30906102A                    Q30906103A                    Q30906104A  
RECEIPT DATE---> 09/04/93                        09/04/93                        09/04/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	9.6000	7.7000	7.3000			
M	Arsenic	MG/KG	8.6000	J	3.3000	6.1000	J	
M	Barium	MG/KG	169.0000	271.0000	140.0000			
M	Chromium	MG/KG	12.9000	J	11.0000	J	13.5000	J
M	Selenium	MG/KG	0.6100	R	0.5600	R	0.6300	R
V	Toluene	UG/KG	.	2.0000	J			

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1SMW51	CED1SMW52	CED1SMW66
LAB SAMPLE ID--->	Q30906105A	Q30906106A	Q30936606A
RECEIPT DATE---->	09/04/93	09/04/93	09/29/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	8.0000	5.9000	8.5000
M Arsenic	MG/KG	5.2000 J	4.8000 J	1.6000
M Barium	MG/KG	108.0000	141.0000	114.0000
M Cadmium	MG/KG	.	.	0.2900
M Chromium	MG/KG	13.5000 J	8.6000 J	12.0000 J
M Selenium	MG/KG	0.5900 R	0.6100 R	0.6700 UJ
P 4,4'-DDD	ug/Kg	15.0000	.	.
P 4,4'-DDE	ug/Kg	11.0000	.	.
V 1,2-Dichloroethane	UG/KG	.	.	210.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED1TS1	CED1TS1DL	CED2SB104
LAB SAMPLE ID--->	Q30907801A	Q30907801A	Q30936602A
RECEIPT DATE---->	09/04/93	09/04/93	09/29/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	.	.	12.1000	
M	Arsenic	MG/KG	.	.	8.8000	
M	Barium	MG/KG	.	.	202.0000	
M	Cadmium	MG/KG	.	.	0.7500	
M	Chromium	MG/KG	.	.	13.0000	J
P	Methoxychlor	ug/Kg	.	.	260000.000	
S	Phenol	ug/kg	.	.	2500.0000	J
S	1,2,4-Trichlorobenzene	ug/kg	.	.	1200.0000	J
S	Propanil	ug/kg	.	.	47000.0000	J
S	2-Nitrophenol	ug/kg	.	.	2900.0000	J
S	Dinoseb	ug/kg	.	.	990.0000	J
S	2-Chloronaphthalene	ug/kg	.	.	850.0000	J
S	1,2-Dichlorobenzene	ug/kg	.	.	11000.0000	J
V	Toluene	UG/KG	.	.	390000.000	R
V	Total Xylenes	UG/KG	.	.	2800.0000	J
V	Acetone	UG/KG	42.0000	21.0000	J	.
V	Chloroform	UG/KG	3.0000	J	.	.
U	Methylene chloride	UG/KG	1500.0000	R	590.0000	J
	2-Butanone	UG/KG	.	.	.	1700.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED2SB104DIL      CED2SB104DL      CED2SB106  
LAB SAMPLE ID---> Q30936602      Q30936602A      Q30936605A  
RECEIPT DATE----> 09/29/93      09/29/93      09/29/93

PARAMETER

UNITS

M	Lead	MG/KG	.	.	13.7000	
M	Arsenic	MG/KG	.	.	9.9000	
M	Barium	MG/KG	.	.	109.0000	
M	Chromium	MG/KG	.	.	20.2000	J
P	Methoxychlor	ug/Kg	53000.0000	J	.	
S	Propanil	ug/kg	.	.	93.0000	J
V	4-Methyl-2-Pantanone	UG/KG	.	.	20.0000	J
V	Toluene	UG/KG	.	390000.000	J	1100.0000 J
V	Chloroform	UG/KG	.	.	64.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB106DIL	CED2SB115	CED2SB115DL
LAB SAMPLE ID--->	Q30936605	Q30936603A	Q30936603A
RECEIPT DATE--->	09/29/93	09/29/93	09/29/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	17.7000	.
M Arsenic	MG/KG	.	8.8000	.
M Barium	MG/KG	.	188.0000	.
M Cadmium	MG/KG	.	0.5300	.
M Chromium	MG/KG	.	18.4000 J	.
P Beta BHC	ug/Kg	.	7.2000	.
S 4-Nitrophenol	ug/kg	.	180.0000 J	.
S Phenol	ug/kg	.	280.0000 J	.
S Propanil	ug/kg	.	6400.0000	.
V 1,2-Dichloroethane	UG/KG	.	40.0000 J	51.0000 J
V Toluene	UG/KG	.	90.0000 J	140.0000 J
V Total Xylenes	UG/KG	.	7.0000 J	12.0000 J
V Chloroform	UG/KG	.	39.0000 J	61.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB116	CED2SB124
LAB SAMPLE ID----->	Q30936601A	Q30934004A
RECEIPT DATE----->	09/29/93	09/25/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	12.8000	8.1000	.
M Arsenic	MG/KG	20.1000	7.7000	.
M Barium	MG/KG	172.0000	153.0000	.
M Cadmium	MG/KG	0.4500	.	.
M Chromium	MG/KG	20.2000	J 12.5000	J
P Methoxychlor	ug/Kg	.	.	5800.0000 J
P Toxaphene	ug/Kg	.	.	21000.0000 J
S 4-Nitrophenol	ug/kg	560.0000	J 9200.0000	J
S Phenol	ug/kg	460.0000	100000.000	.
S Propanil	ug/kg	300.0000	J 79000.0000	.
S Dinoseb	ug/kg	.	9800.0000	J
S 2-Chloronaphthalene	ug/kg	.	5400.0000	J
V 1,2-Dichloroethane	UG/KG	170.0000	J 3400.0000	.
V Toluene	UG/KG	180.0000	J 170.0000	J
V Acetone	UG/KG	17000.0000	.	.
V Chloroform	UG/KG	2700.0000	620.0000	J
V Methylene chloride	UG/KG	3500.0000	J 41000.0000	R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB124DL	CED2SB126
LAB SAMPLE ID--->	Q30934004A	Q30934005A
RECEIPT DATE---->	09/25/93	09/25/93
PARAMETER	UNITS	

M Lead	MG/KG	.	8.1000	.
M Arsenic	MG/KG	.	24.4000	.
M Barium	MG/KG	.	85.1000	.
M Cadmium	MG/KG	.	0.2500	.
M Chromium	MG/KG	.	13.0000	J
P Methoxychlor	ug/Kg	.	.	5700.0000 J
S 4-Nitrophenol	ug/kg	.	710.0000	J
S Phenol	ug/kg	.	6900.0000	.
S Bis(2-chloroethyl)ether	ug/kg	.	180.0000	J
S Propanil	ug/kg	.	670.0000	J
S 2-Nitrophenol	ug/kg	.	150.0000	J
V 1,2-Dichloroethane	UG/KG	3700.0000 J	63.0000	J
V 4-Methyl-2-Pentanone	UG/KG	.	60.0000	J
V Toluene	UG/KG	.	30.0000	J
V Chloroform	UG/KG	700.0000 J	1100.0000	J
V Methylene chloride	UG/KG	45000.0000 J	1300.0000	R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB126DL	CED2SB14	CED2SB14 R
LAB SAMPLE ID--->	Q30934005A	Q30936502A	Q30936502
RECEIPT DATE---->	09/25/93	09/29/93	09/29/93

PARAMETER

UNITS

M Lead	MG/KG	.	12.3000	.
M Arsenic	MG/KG	.	10.7000	.
M Barium	MG/KG	.	140.0000	.
M Cadmium	MG/KG	.	0.2900	.
M Chromium	MG/KG	.	13.5000	J
S 4-Nitrophenol	ug/kg	.	67.0000	J
S Phenol	ug/kg	.	440.0000	.
S Propanil	ug/kg	.	200.0000	J
V 1,2-Dichloroethane	UG/KG	.	3300.0000	.
V Acetone	UG/KG	.	1500.0000	J
V Chloroform	UG/KG	3200.0000	J	.
V Methylene chloride	UG/KG	4100.0000	J	84000.0000 R

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	CED2SB14DL	CED2SB16	CED2SB16DL
	LAB SAMPLE ID--->	Q30936502A	Q30936501A	Q30936501A
	RECEIPT DATE---->	09/29/93	09/29/93	09/29/93
	UNITS			
M	Lead	MG/KG	8.2000	.
M	Arsenic	MG/KG	4.3000	.
M	Barium	MG/KG	151.0000	.
M	Cadmium	MG/KG	0.9400	.
M	Chromium	MG/KG	9.0000	J
S	4-Nitrophenol	ug/kg	46.0000	J
S	Phenol	ug/kg	580.0000	.
S	Propanil	ug/kg	100.0000	J
V	Ethylbenzene	UG/KG	1600.0000	UJ
V	Styrene	UG/KG	1600.0000	UJ
V	cis-1,3-Dichloropropene	UG/KG	1600.0000	UJ
V	trans-1,3-Dichloropropene	UG/KG	1600.0000	UJ
V	1,2-Dichloroethane	UG/KG	1000.0000	J
V	Vinyl acetate	UG/KG	1600.0000	UJ
V	4-Methyl-2-Pentanone	UG/KG	16000.0000	UJ
V	Toluene	UG/KG	1600.0000	UJ
V	Chlorobenzene	UG/KG	1600.0000	UJ
H	Dibromochloromethane	UG/KG	1600.0000	UJ
T	Tetrachloroethene	UG/KG	1600.0000	UJ
V	Total Xylenes	UG/KG	1600.0000	UJ
V	1,2-dichloroethene (total)	UG/KG	1600.0000	UJ
V	Carbon tetrachloride	UG/KG	1600.0000	UJ
V	2-Hexanone	UG/KG	16000.0000	UJ
V	Acetone	UG/KG	1400.0000	J
V	Chloroform	UG/KG	1600.0000	UJ
V	Benzene	UG/KG	1600.0000	UJ
V	1,1,1-Trichloroethane	UG/KG	1600.0000	UJ
V	Bromomethane	UG/KG	3200.0000	UJ
V	Chloromethane	UG/KG	3200.0000	UJ
V	Chloroethane	UG/KG	3200.0000	UJ
V	Vinyl chloride	UG/KG	1600.0000	UJ
V	Methylene chloride	UG/KG	13000.0000	J
V	Carbon disulfide	UG/KG	1600.0000	UJ
V	Bromoform	UG/KG	1600.0000	UJ
V	Bromodichloromethane	UG/KG	1600.0000	UJ
V	1,1-Dichloroethane	UG/KG	1600.0000	UJ
V	1,1-Dichloroethene	UG/KG	1600.0000	UJ
V	1,2-Dichloropropane	UG/KG	1600.0000	UJ
V	2-Butanone	UG/KG	2200.0000	UJ
V	1,1,2-Trichloroethane	UG/KG	1600.0000	UJ
V	Trichloroethene	UG/KG	1600.0000	UJ
V	1,1,2,2-Tetrachloroethane	UG/KG	1600.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB25	CED2SB25DIL
LAB SAMPLE ID--->	Q30928203A	Q30928203A
RECEIPT DATE--->	09/23/93	09/23/93
PARAMETER	UNITS	

M Lead	MG/KG	12.2000	.	8.2000			
M Silver	MG/KG	0.3900	UJ	0.3600	UJ		
M Arsenic	MG/KG	9.4000	.	4.9000			
M Barium	MG/KG	205.0000	.	133.0000			
M Chromium	MG/KG	15.4000	J	11.5000			
S 4-Nitrophenol	ug/kg	12000.0000	.	2900.0000			
S Phenol	ug/kg	540.0000	J	360.0000	J		
S Propanil	ug/kg	240.0000	J	.			
S Di-n-butylphthalate	ug/kg	.	.	120.0000	J		
S 2-Nitrophenol	ug/kg	400.0000	J	180.0000	J		
S Dinoseb	ug/kg	850.0000	J	.			
V 1,2-Dichloroethane	UG/KG	70000.0000	19000.0000	J	9600.0000		
V Acetone	UG/KG	.	.	1100.0000	J		
V Methylene chloride	UG/KG	340000.000	R	45000.0000	J	34000.0000	R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB26DIL	CED2SB314	CED2SB325
LAB SAMPLE ID--->	Q30928205A	Q30928001A	Q30928002A
RECEIPT DATE---->	09/23/93	09/23/93	09/23/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	.	11.4000	10.8000	
M	Silver	MG/KG	.	0.3600	UJ	0.3900 UJ
M	Arsenic	MG/KG	.	8.5000		8.0000
M	Barium	MG/KG	.	228.0000		145.0000
M	Chromium	MG/KG	.	10.5000	J	12.2000 J
S	4-Nitrophenol	ug/kg	.	25000.0000		22000.0000
S	Propanil	ug/kg	.	11000.0000		2000.0000 J
S	2-Nitrophenol	ug/kg	.	720.0000	J	.
S	Dinoseb	ug/kg	.	29000.0000		.
V	Ethylbenzene	UG/KG	.	1.0000	J	.
V	1,2-Dichloroethane	UG/KG	11000.0000 J	12.0000		.
V	4-Methyl-2-Pentanone	UG/KG	.	67.0000		.
V	Toluene	UG/KG	.	3.0000	J	.
V	Total Xylenes	UG/KG	.	7.0000		.
V	Acetone	UG/KG	3100.0000 J	25.0000		.
V	Methylene chloride	UG/KG	40000.0000 J	68.0000		.
V	2-Butanone	UG/KG	.	22.0000		.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB325DIL	CED2SB44	CED2SB44DL
LAB SAMPLE ID--->	Q30928002	Q30934001A	Q30934001A
RECEIPT DATE---->	09/23/93	09/25/93	09/25/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	.	14.2000	.
M	Arsenic	MG/KG	.	7.2000	.
M	Barium	MG/KG	.	219.0000	.
M	Chromium	MG/KG	.	17.1000	J
P	Alpha BHC	ug/Kg	.	9.8000	.
P	Methoxychlor	ug/Kg	.	230.0000	.
V	Ethylbenzene	UG/KG	14.0000	J	10.0000
V	1,2-Dichloroethane	UG/KG	43.0000	.	270.0000
V	4-Methyl-2-Pentanone	UG/KG	420.0000	.	180.0000
V	Toluene	UG/KG	.	1200.0000	.
V	Chlorobenzene	UG/KG	.	25.0000	J
V	Total Xylenes	UG/KG	81.0000	.	49.0000
V	Acetone	UG/KG	.	1000.0000	.
V	Chloroform	UG/KG	16.0000	J	18.0000
V	Methylene chloride	UG/KG	1600.0000	J	12000.0000
				R	1200.0000
					J

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	CED2SB46	CED2SB46DL	CED2SB54
	LAB SAMPLE ID--->	Q30936604A	Q30936604A	Q30936402A
RECEIPT DATE---->	09/29/93	09/25/93	09/29/93	
	UNITS			
M Lead	MG/KG	12.8000	.	7.1000
M Arsenic	MG/KG	14.7000	.	9.1000
M Barium	MG/KG	126.0000	.	152.0000
M Cadmium	MG/KG	0.9700	.	.
M Chromium	MG/KG	12.3000 J	.	9.7000 J
S 4-Nitrophenol	ug/kg	120.0000 J	.	9200.0000 J
S Phenol	ug/kg	1000.0000	.	.
S Propanil	ug/kg	100.0000 J	.	1200.0000 J
S Dinoseb	ug/kg	.	.	17000.0000
V Ethylbenzene	UG/KG	.	.	120.0000 J
V 1,2-Dichloroethane	UG/KG	2600.0000	.	7100.0000 R
V 4-Methyl-2-Pentanone	UG/KG	.	.	20.0000 J
V Toluene	UG/KG	.	.	27.0000 J
V Chlorobenzene	UG/KG	.	.	14.0000 J
V Total Xylenes	UG/KG	.	.	550.0000 J
V Acetone	UG/KG	2600.0000 J	.	150.0000 J
V Chloroform	UG/KG	.	.	250.0000 J
V Methylene chloride	UG/KG	93000.0000 R	100000.000 J	18000.0000 R
1,2-Dichloropropane	UG/KG	.	.	32.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB622DIL	CED2SB629	CED2SB629DIL
LAB SAMPLE ID-->	Q30928102	Q30928101A	Q30928101
RECEIPT DATE-->	09/23/93	09/23/93	09/23/93
PARAMETER	UNITS		

M	Lead	MG/KG	12.6000	.
M	Silver	MG/KG	0.3900	UJ
M	Arsenic	MG/KG	3.7000	.
M	Barium	MG/KG	98.8000	.
M	Cadmium	MG/KG	0.7300	J
M	Chromium	MG/KG	13.7000	J
P	4,4'-DDT	ug/Kg	420.0000	.
P	gamma-Chlordan	ug/Kg	150.0000	.
P	Endrin	ug/Kg	340.0000	.
P	Methoxychlor	ug/Kg	16000.0000	290000.000 J
P	4,4'-DDD	ug/Kg	180.0000	.
P	Heptachlor	ug/Kg	110.0000	.
S	4-Nitrophenol	ug/kg	9700.0000	J
S	Propanil	ug/kg	11000.0000	J
S	Dinoseb	ug/kg	93000.0000	J
V	Ethylbenzene	UG/KG	8300.0000	UJ
V	Styrene	UG/KG	8300.0000	UJ
	cis-1,3-Dichloropropene	UG/KG	8300.0000	UJ
	trans-1,3-Dichloropropene	UG/KG	8300.0000	UJ
V	1,2-Dichloroethane	UG/KG	170000.000	J 170000.000 J
V	Vinyl acetate	UG/KG	8300.0000	UJ
V	4-Methyl-2-Pentanone	UG/KG	83000.0000	UJ
V	Toluene	UG/KG	8300.0000	UJ
V	Chlorobenzene	UG/KG	8300.0000	UJ
V	Dibromochloromethane	UG/KG	8300.0000	UJ
V	Tetrachloroethene	UG/KG	8300.0000	UJ
V	Total Xylenes	UG/KG	4800.0000	J
V	1,2-dichloroethene (Total)	UG/KG	8300.0000	UJ
V	Carbon tetrachloride	UG/KG	8300.0000	UJ
V	2-Hexanone	UG/KG	83000.0000	UJ
V	Acetone	UG/KG	17000.0000	UJ
V	Chloroform	UG/KG	2800.0000	J
V	Benzene	UG/KG	8300.0000	UJ
V	1,1,1-Trichloroethane	UG/KG	8300.0000	UJ
V	Bromomethane	UG/KG	17000.0000	UJ
V	Chloromethane	UG/KG	17000.0000	UJ
V	Chloroethane	UG/KG	17000.0000	UJ
V	Vinyl chloride	UG/KG	8300.0000	UJ
V	Methylene chloride	UG/KG	940000.000	R 820000.000 J
V	Carbon disulfide	UG/KG	8300.0000	UJ
V	Bromoform	UG/KG	8300.0000	UJ
V	Bromodichloromethane	UG/KG	8300.0000	UJ
V	1,1-Dichloroethane	UG/KG	8300.0000	UJ
V	1,1-Dichloroethene	UG/KG	8300.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED2SB622DIL      CED2SB629      CED2SB629DIL  
LAB SAMPLE ID--> Q30928102      Q30928101A      Q30928101  
RECEIPT DATE--> . . . . .      09/23/93

PARAMETER	UNITS			
V 1,2-Dichloropropane	UG/KG	.	8300.0000	UJ
V 2-Butanone	UG/KG	.	17000.0000	UJ
V 1,1,2-Trichloroethane	UG/KG	.	8300.0000	UJ
V Trichloroethene	UG/KG	.	8300.0000	UJ
V 1,1,2,2-Tetrachloroethane	UG/KG	.	8300.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	CED2SB73	CED2SB73R	CED2SB76
	LAB SAMPLE ID--->	Q30934002A	Q30934002A	Q30934003A
	RECEIPT DATE---->	09/25/93	09/25/93	09/25/93
	UNITS			
M Lead	MG/KG	14.3000	.	17.2000
M Arsenic	MG/KG	10.9000	.	12.1000
M Barium	MG/KG	197.0000	.	102.0000
M Cadmium	MG/KG	0.2800	.	0.3000
M Chromium	MG/KG	13.9000	J	18.4000 J
P Alpha BHC	ug/Kg	14.0000	J	.
S 4-Nitrophenol	ug/kg	.	.	1100.0000 J
S Phenol	ug/kg	1600.0000	.	.
S Propanil	ug/kg	270.0000	J	1600.0000
S 2-Nitrophenol	ug/kg	.	.	53.0000 J
S 2-Chloronaphthalene	ug/kg	.	.	72.0000 J
V 1,2-Dichloroethane	UG/KG	9.0000	J	11.0000 J
V 4-Methyl-2-Pentanone	UG/KG	10.0000	J	12.0000 J
V Toluene	UG/KG	2.0000	J	4.0000 J
V Acetone	UG/KG	.	.	20000.0000
V Chloroform	UG/KG	.	.	2400.0000
				260.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB76DIL	CED2SB84	CED2SB84DIL
LAB SAMPLE ID--->	Q30934003	Q30928206A	Q30928206
RECEIPT DATE---->	09/25/93	09/23/93	09/23/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	9.4000	.
M Silver	MG/KG	.	0.3800	UJ
M Arsenic	MG/KG	.	7.2000	.
M Barium	MG/KG	.	180.0000	.
M Chromium	MG/KG	.	9.2000	J
P Alpha BHC	ug/Kg	.	.	30.0000
P Methoxychlor	ug/Kg	6100.0000	J	.
S 4-Nitrophenol	ug/kg	.	880.0000	J
S Phenol	ug/kg	.	3100.0000	.
S Propanil	ug/kg	.	2100.0000	J
S Di-n-butylphthalate	ug/kg	.	220.0000	J
S 2-Nitrophenol	ug/kg	.	89.0000	J
S 1,2-Dichlorobenzene	ug/kg	.	150.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB86	CED2SB86DIL	CED2SB927
LAB SAMPLE ID--->	Q30928204A	Q30928204	Q30928202A
RECEIPT DATE---->	09/23/93	09/23/93	09/23/93
<b>PARAMETER</b>	<b>UNITS</b>		

M Lead	MG/KG	10.8000	.	17.3000
M Silver	MG/KG	0.3900	UJ	0.3900 UJ
M Arsenic	MG/KG	27.7000	.	9.1000
M Barium	MG/KG	174.0000	.	184.0000
M Chromium	MG/KG	19.9000	J	15.2000 J
M Selenium	MG/KG	0.6800	J	.
P Methoxychlor	ug/Kg	.	1900.0000	.
S 4-Nitrophenol	ug/kg	900.0000	J	320.0000 J
S Phenol	ug/kg	22000.0000	.	1500.0000 J
S Propanil	ug/kg	4800.0000	J	8600.0000
S 2-Nitrophenol	ug/kg	400.0000	J	.
S Dinoseb	ug/kg	510.0000	J	920.0000 J
S 2-Chloronaphthalene	ug/kg	.	.	310.0000 J
S 1,2-Dichlorobenzene	ug/kg	1100.0000	J	12000.0000
V Ethylbenzene	UG/KG	.	.	420.0000 J
V 1,2-Dichloroethane	UG/KG	.	.	2900.0000 J
V Toluene	UG/KG	.	.	5000.0000 J
Chlorobenzene	UG/KG	.	.	530.0000 J
Total Xylenes	UG/KG	.	.	2600.0000 J
V Carbon tetrachloride	UG/KG	.	.	670.0000 J
V Chloroform	UG/KG	.	.	13000.0000 J
V Methylene chloride	UG/KG	.	.	120000.000 R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB927DIL	CED2SB95	CED2SB95DIL
LAB SAMPLE ID--->	Q30928202	Q30928201A	Q30928201
RECEIPT DATE--->	09/23/93	09/23/93	09/23/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	8.8000	.
M Silver	MG/KG	.	0.3700	UJ
M Arsenic	MG/KG	.	10.7000	.
M Barium	MG/KG	.	88.7000	.
M Cadmium	MG/KG	.	0.7300	J
M Chromium	MG/KG	.	10.9000	J
M Selenium	MG/KG	.	1.1000	J
P Methoxychlor	ug/Kg	18000.0000	J	18000.0000
S 4-Nitrophenol	ug/kg	.	1200.0000	J
S Phenol	ug/kg	.	3300.0000	.
S Propanil	ug/kg	.	10000.0000	.
S Dinoseb	ug/kg	.	1100.0000	J
S 1,2-Dichlorobenzene	ug/kg	.	5300.0000	.
V Ethylbenzene	UG/KG	.	2.0000	J
V 1,2-Dichloroethane	UG/KG	2900.0000	J	14.0000
V Toluene	UG/KG	5300.0000	J	15.0000
V Chlorobenzene	UG/KG	.	3.0000	J
V Total Xylenes	UG/KG	2200.0000	J	15.0000
Acetone	UG/KG	.	26.0000	J
V Chloroform	UG/KG	12000.0000	J	2.0000
V Methylene chloride	UG/KG	93000.0000	J	28.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SB95R	CED2SMW14
LAB SAMPLE ID--->	Q30928201A	Q30915501A
RECEIPT DATE---->	09/23/93	09/11/93

PARAMETER	UNITS			
M Lead	MG/KG	.	9.3000	J
M Arsenic	MG/KG	.	10.5000	J
M Barium	MG/KG	.	187.0000	.
M Cadmium	MG/KG	.	0.7500	J
M Chromium	MG/KG	.	9.7000	J
M Selenium	MG/KG	.	0.6500	UJ
S Propanil	UG/KG	.	330.0000	J
S Di-n-Butylphthalate	UG/KG	.	110.0000	J
V Ethylbenzene	UG/KG	3.0000	J	.
V 1,2-Dichloroethane	UG/KG	11.0000	J	63.0000 43.0000 J
V Toluene	UG/KG	16.0000	J	6.0000 J
V Chlorobenzene	UG/KG	3.0000	J	8.0000
V Total Xylenes	UG/KG	18.0000	J	8.0000
V Carbon tetrachloride	UG/KG	.	16.0000	.
V Acetone	UG/KG	22.0000	J	.
V Chloroform	UG/KG	2.0000	J	5.0000 J
V Methylene chloride	UG/KG	11.0000	J	520.0000 R 320.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SMW15	CED2SMW15DL	CED2SMW17
LAB SAMPLE ID--->	Q30915502A	Q30915502A	Q30915503A
RECEIPT DATE---->	09/11/93	09/11/93	09/11/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	7.1000	J	.	9.2000	J
M Mercury	MG/KG	.	.	.	0.1200	J
M Arsenic	MG/KG	9.0000	J	.	5.0000	J
M Barium	MG/KG	158.0000	.	.	83.8000	.
M Cadmium	MG/KG	0.3900	UJ	.	0.4700	J
M Chromium	MG/KG	11.1000	J	.	13.9000	J
M Selenium	MG/KG	0.6500	UJ	.	0.7500	J
S Phenol	UG/KG	750.0000	J	.	170.0000	J
S Benzoic Acid	UG/KG	540.0000	J	.	.	.
S Propanil	UG/KG	260.0000	J	.	.	.
V 1,2-Dichloroethane	UG/KG	1400.0000	J	.	.	.
V 4-Methyl-2-Pentanone	UG/KG	50.0000	J	.	33.0000	J
V Chlorobenzene	UG/KG	25.0000	J	.	.	.
V Total Xylenes	UG/KG	29.0000	J	.	.	.
V Acetone	UG/KG	140.0000	.	.	.	.
V Chloroform	UG/KG	21.0000	J	.	.	.
V Methylene chloride	UG/KG	19000.0000	R	25000.0000	J	160.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SMW22	CED2SMW24	CED2SMW34
LAB SAMPLE ID--->	Q30919205A	Q30919206A	Q30919207A
RECEIPT DATE---->	09/16/93	09/16/93	09/16/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	21.2000	14.6000	9.7000	
M	Arsenic	MG/KG	7.6000	12.2000	10.8000	
M	Barium	MG/KG	197.0000	178.0000	151.0000	
M	Cadmium	MG/KG	.	0.5100 J	.	
M	Chromium	MG/KG	15.4000	18.3000	13.9000	
M	Selenium	MG/KG	0.6100 UJ	0.6300 UJ	0.6200 UJ	
P	Alpha BHC	ug/Kg	4.4000	.	.	
S	Phenol	ug/Kg	.	.	2700.0000	
S	Propanil	ug/Kg	460.0000 J	.	90.0000 J	
S	Dinoseb	ug/Kg	2600.0000 J	.	330.0000 J	
V	1,2-Dichloroethane	UG/KG	.	.	35.0000	
V	4-Methyl-2-Pentanone	UG/KG	.	.	9.0000 J	
V	Toluene	UG/KG	.	.	29.0000	
V	Total Xylenes	UG/KG	.	.	3.0000 J	
V	Acetone	UG/KG	.	.	35.0000	
V	Chloroform	UG/KG	.	.	190.0000	
V	Methylene chloride	UG/KG	.	.	250.0000	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SMW35	CED2SMW35DIL	CED2SMW37
LAB SAMPLE ID--->	Q30919208A	Q30919208A	Q30922101A
RECEIPT DATE---->	09/16/93	09/16/93	09/17/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	10.0000	.	6.7000
M	Arsenic	MG/KG	11.3000	.	6.1000
M	Barium	MG/KG	133.0000	.	87.8000
M	Cadmium	MG/KG	0.4400	J	.
M	Chromium	MG/KG	15.0000	.	8.4000
M	Selenium	MG/KG	0.6700	UJ	0.6600 UJ
S	4-Nitrophenol	ug/Kg	1600.0000	J	.
S	Phenol	ug/Kg	49000.0000	J	.
S	Propanil	ug/Kg	190.0000	J	120.0000 J
S	Di-n-butyl phthalate	ug/Kg	.	.	320.0000 J
S	3,4-Dichloroaniline	ug/Kg	310.0000	J	250.0000 J
V	1,2-Dichloroethane	UG/KG	74.0000	.	110.0000
V	4-Methyl-2-Pentanone	UG/KG	50.0000	J	1000.0000
V	Toluene	UG/KG	140.0000	.	190.0000
V	Acetone	UG/KG	3200.0000	R	3100.0000 J
V	Chloroform	UG/KG	1200.0000	R	390.0000 J
V	Methylene chloride	UG/KG	890.0000	.	10.0000 J
H	2-Butanone	UG/KG	35.0000	J	380.0000 J
					26.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED2SMW37DIL	CED3SED1	CED3SED10
LAB SAMPLE ID--->	Q30922101A	Q30919201A	Q30927904A
RECEIPT DATE--->	09/17/93	09/16/93	09/23/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	7.4000	11.0000
M Silver	MG/KG	.	.	0.3400 UJ
M Arsenic	MG/KG	.	6.5000	4.3000
M Barium	MG/KG	.	114.0000	215.0000
M Chromium	MG/KG	.	9.5000	8.0000 J
M Selenium	MG/KG	.	0.6100 UJ	.
S 4-Nitrophenol	ug/Kg	.	350.0000 J	.
S Pentachlorophenol	ug/Kg	.	5300.0000	.
S Dinoseb	ug/Kg	.	6300.0000 J	.
V Ethylbenzene	UG/KG	.	.	2.0000 J
V 1,2-Dichloroethane	UG/KG	.	.	43.0000
V Total Xylenes	UG/KG	.	.	12.0000
V Methylene chloride	UG/KG	.	.	160.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED3SED1OR	CED3SED1DIL
LAB SAMPLE ID----->	Q30927904	Q30919201
RECEIPT DATE----->	09/23/93	09/16/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	13.9000
M Arsenic	MG/KG	.	6.6000
M Barium	MG/KG	.	138.0000
M Chromium	MG/KG	.	16.6000
M Selenium	MG/KG	.	0.6400 UJ
P 4,4'-DDT	ug/Kg	22.0000 J	.
P Dieldrin	ug/Kg	.	12.0000
P Methoxychlor	ug/Kg	.	3600.0000
P 4,4'-DDD	ug/Kg	54.0000 J	.
P 4,4'-DDE	ug/Kg	50.0000 J	.
S 4-Chloroaniline	ug/Kg	.	190.0000 J
S 1,2,4-Trichlorobenzene	ug/Kg	.	230.0000 J
S Propanil	ug/Kg	.	110.0000 J
S Pentachlorophenol	ug/Kg	.	200.0000 J
S Dinoseb	ug/Kg	.	2300.0000 J
S 3,4-Dichloroaniline	ug/Kg	.	2800.0000
V Chlorobenzene	UG/KG	.	34.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED3SED3	CED3SED3DIL	CED3SED4
LAB SAMPLE ID--->	Q30919203A	Q30919203	Q30919204A
RECEIPT DATE---->	09/16/93	09/16/93	09/16/93

PARAMETER

UNITS

M Lead	MG/KG	9.5000	.	9.0000
M Arsenic	MG/KG	4.5000	.	3.6000
M Barium	MG/KG	95.6000	.	87.2000
M Chromium	MG/KG	16.1000	.	12.3000
M Selenium	MG/KG	0.6100	UJ	0.6900 UJ
P Aldrin	ug/Kg	.	354.0000	.
P Dieldrin	ug/Kg	.	1800.0000	2.9000
P Methoxychlor	ug/Kg	.	2400.0000	.
P 4,4'-DDE	ug/Kg	.	.	7.9000
S 4-Chloroaniline	ug/Kg	500.0000	J	.
S 1,2,4-Trichlorobenzene	ug/Kg	92.0000	J	.
S Propanil	ug/Kg	44.0000	J	.
S Dinoseb	ug/Kg	730.0000	J	.
S 1,2-Dichlorobenzene	ug/Kg	300.0000	J	.
S 3,4-Dichloroaniline	ug/Kg	1300.0000	.	440.0000 J
V Chlorobenzene	UG/KG	11.0000	.	.
V Acetone	UG/KG	130.0000	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED3SED5	CED3SED5DIL	CED3SED6
LAB SAMPLE ID--->	Q30922005A	Q30922005	Q30922004A
RECEIPT DATE---->	09/17/93	09/17/93	09/17/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	9.9000	.	12.2000
M	Arsenic	MG/KG	7.2000	.	12.5000
M	Barium	MG/KG	114.0000	.	123.0000
M	Chromium	MG/KG	11.2000	.	19.1000
M	Selenium	MG/KG	0.6200	UJ	0.5800 UJ
P	Dieldrin	ug/Kg	.	57.0000	.
S	4-Nitroaniline	ug/Kg	4300.0000	UJ	.
S	4-Nitrophenol	ug/Kg	4300.0000	UJ	.
S	Benzyl Alcohol	ug/Kg	850.0000	UJ	.
S	4-Bromophenylphenylether	ug/Kg	850.0000	UJ	.
S	2,4-Dimethylphenol	ug/Kg	850.0000	UJ	.
S	4-Methylphenol	ug/Kg	850.0000	UJ	.
S	1,4-Dichlorobenzene	ug/Kg	850.0000	UJ	.
S	4-Chloroaniline	ug/Kg	850.0000	UJ	.
S	bis(2-Chloroisopropyl)ether	ug/Kg	850.0000	UJ	.
S	Phenol	ug/Kg	850.0000	UJ	.
S	bis(2-Chloroethyl)ether	ug/Kg	850.0000	UJ	.
S	bis(2-Chloroethoxy)methane	ug/Kg	850.0000	UJ	.
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	850.0000	UJ	.
S	Di-n-octyl phthalate	ug/Kg	850.0000	UJ	.
S	Hexachlorobenzene	ug/Kg	850.0000	UJ	.
S	Anthracene	ug/Kg	850.0000	UJ	.
S	1,2,4-Trichlorobenzene	ug/Kg	850.0000	UJ	.
S	2,4-Dichlorophenol	ug/Kg	850.0000	UJ	.
S	2,4-Dinitrotoluene	ug/Kg	850.0000	UJ	.
S	Pyrene	ug/Kg	850.0000	UJ	.
S	Dimethyl Phthalate	ug/Kg	850.0000	UJ	.
S	Dibenzofuran	ug/Kg	850.0000	UJ	.
S	Benzo(g,h,i) perylene	ug/Kg	850.0000	UJ	.
S	Indeno(1,2,3-cd)pyrene	ug/Kg	850.0000	UJ	.
S	Benzo(b)fluoranthene	ug/Kg	850.0000	UJ	.
S	Fluoranthene	ug/Kg	850.0000	UJ	.
S	Benzo(k)fluoranthene	ug/Kg	850.0000	UJ	.
S	Acenaphthylene	ug/Kg	850.0000	UJ	.
S	Chrysene	ug/Kg	850.0000	UJ	.
S	Benzo(a)pyrene	ug/Kg	850.0000	UJ	.
S	2,4-Dinitrophenol	ug/Kg	4300.0000	UJ	.
S	Dibenz(a,h)anthracene	ug/Kg	850.0000	UJ	.
S	4,6-Dinitro-2-methylphenol	ug/Kg	4300.0000	UJ	.
S	1,3-Dichlorobenzene	ug/Kg	850.0000	UJ	.
S	Benzo(a)anthracene	ug/Kg	850.0000	UJ	.
S	4-Chloro-3-methylphenol	ug/Kg	850.0000	UJ	.
S	2,6-Dinitrotoluene	ug/Kg	850.0000	UJ	.
S	1-nitroso-di-n-propylamine	ug/Kg	850.0000	UJ	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED3SED5	CED3SED5DIL	CED3SED6
LAB SAMPLE ID--->	F310140-13A	Q30922005	Q30922004A
RECEIPT DATE---->	09/17/93		

PARAMETER	UNITS		
S Benzoic Acid	ug/Kg	4300.0000	UJ
S Hexachloroethane	ug/Kg	850.0000	UJ
S 4Chlorophenylphenyl ether	ug/Kg	850.0000	UJ
S Propanil	ug/Kg	850.0000	UJ
S Hexachlorocyclopentadiene	ug/Kg	850.0000	UJ
S Isophorone	ug/Kg	850.0000	UJ
S Acenaphthene	ug/Kg	850.0000	UJ
S Diethyl Phthalate	ug/Kg	850.0000	UJ
S Phenanthrene	ug/Kg	850.0000	UJ
S Butylbenzylphthalate	ug/Kg	850.0000	UJ
S N-Nitrosodiphenylamine (1)	ug/Kg	850.0000	UJ
S Fluorene	ug/Kg	850.0000	UJ
S Hexachlorobutadiene	ug/Kg	850.0000	UJ
S Pentachlorophenol	ug/Kg	4300.0000	UJ
S 2,4,6-Trichlorophenol	ug/Kg	850.0000	UJ
S 2-Nitroaniline	ug/Kg	4300.0000	UJ
S 2-Nitrophenol	ug/Kg	850.0000	UJ
S Dinoseb	ug/Kg	330.0000	J
S Naphthalene	ug/Kg	86.0000	J
S 2-Methylnaphthalene	ug/Kg	550.0000	J
S 2-Chloronaphthalene	ug/Kg	850.0000	UJ
S 3,3'-Dichlorobenzidine	ug/Kg	1700.0000	UJ
S 2-Methylphenol	ug/Kg	850.0000	UJ
S 1,2-Dichlorobenzene	ug/Kg	120.0000	J
S 2-Chlorophenol	ug/Kg	850.0000	UJ
S 3,4-Dichloroaniline	ug/Kg	100000.000	J
S 2,4,5-Trichlorophenol	ug/Kg	4300.0000	UJ
S Nitrobenzene	ug/Kg	850.0000	UJ
S 3-Nitroaniline	ug/Kg	4300.0000	UJ
V Ethylbenzene	UG/KG	7.0000	.
V Total Xylenes	UG/KG	44.0000	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED3SED6DIL      CED3SED7      CED3SED7DIL  
LAB SAMPLE ID---> Q30922004      Q30922003A      Q30922003  
RECEIPT DATE----> 09/17/93      09/17/93      09/17/93

PARAMETER	UNITS		
M Lead	MG/KG	11.5000	.
M Arsenic	MG/KG	6.6000	.
M Barium	MG/KG	143.0000	.
M Chromium	MG/KG	15.8000	.
M Selenium	MG/KG	0.5900	UJ
P Dieldrin	ug/Kg	86.0000	200.0000
P Methoxychlor	ug/Kg	740.0000	890.0000
S Propanil	ug/Kg	98.0000	J
S Dinoseb	ug/Kg	730.0000	J
S 3,4-Dichloroaniline	ug/Kg	370.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	CED3SED8	CED3SED8DIL	CED3SED9
	LAB SAMPLE ID-->	Q30922002A	Q30922002	Q30922001A
RECEIPT DATE-->	09/17/93	09/17/93	09/17/93	
	UNITS			
M Lead	MG/KG	7.5000	.	10.9000
M Arsenic	MG/KG	9.3000	.	222.0000
M Barium	MG/KG	112.0000	.	150.0000
M Chromium	MG/KG	10.3000	.	12.1000
M Selenium	MG/KG	0.6700	UJ	0.6300 UJ
P Dieldrin	ug/Kg	.	34.0000	4.5000
P Methoxychlor	ug/Kg	.	1300.0000	.
S Di-n-octyl phthalate	ug/Kg	180.0000	J	.
S 3,4-Dichloroaniline	ug/Kg	840.0000	J	310.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4HA51	CED4HA51DIL
LAB SAMPLE ID--->	Q30922104A	Q30922104
RECEIPT DATE---->	09/16/93	09/17/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	13.0000	.	8.8000
M	Arsenic	MG/KG	4.6000	.	4.1000
M	Barium	MG/KG	75.3000	.	93.5000
M	Chromium	MG/KG	19.1000	.	18.1000
M	Selenium	MG/KG	0.5800	UJ	0.5600 UJ
P	4,4'-DDT	ug/Kg	.	240.0000 J	.
P	Methoxychlor	ug/Kg	.	2800.0000 J	.
P	4,4'-DDD	ug/Kg	.	44.0000 J	.
P	4,4'-DDE	ug/Kg	.	19.0000 J	.
S	4-Chloroaniline	ug/Kg	8600.0000	.	9100.0000
S	Propanil	ug/Kg	690.0000 J	.	49000.0000 J
S	Isophorone	ug/Kg	.	.	730.0000 J
S	Dinoseb	ug/Kg	1400.0000 J	.	30000.0000
S	1,2-Dichlorobenzene	ug/Kg	1500.0000 J	.	1700.0000 J
S	3,4-Dichloroaniline	ug/Kg	85000.0000 J	.	2500000.00 J
V	Ethylbenzene	UG/KG	7.0000 J	.	.
V	4-Methyl-2-Pantanone	UG/KG	18.0000 J	.	32.0000 J
V	Toluene	UG/KG	350.0000 J	.	830.0000
V	Chlorobenzene	UG/KG	3.0000 J	.	.
V	Total Xylenes	UG/KG	76.0000	.	71.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4HA52DIL	CED4HA53
LAB SAMPLE ID--->	Q30922103	Q30922102A
RECEIPT DATE---->	09/17/93	09/16/93

**PARAMETER**

UNITS

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M Lead	MG/KG	6.9000	.
M Arsenic	MG/KG	3.1000	.
M Barium	MG/KG	113.0000	.
M Chromium	MG/KG	14.2000	.
M Selenium	MG/KG	0.5900	UJ
P Alpha BHC	ug/Kg	50.0000	.
P Beta BHC	ug/Kg	.	38.0000
P 4,4'-DDT	ug/Kg	150.0000	.
P gamma-Chlordane	ug/Kg	.	.
P Methoxychlor	ug/Kg	2600.0000	.
P 4,4'-DDD	ug/Kg	140.0000	.
P 4,4'-DDE	ug/Kg	59.0000	19.0000
S Propanil	ug/Kg	130000.000	.
S Dinoseb	ug/Kg	920000.000	.
S 3,4-Dichloroaniline	ug/Kg	400000.000	.
V Ethylbenzene	UG/KG	110.0000	.
V 4-Methyl-2-Pentanone	UG/KG	120.0000	.
V Toluene	UG/KG	2700.0000	10000.0000
V Chlorobenzene	UG/KG	35.0000	.
V Total Xylenes	UG/KG	3000.0000	4400.0000
V Acetone	UG/KG	110.0000	.
V Benzene	UG/KG	2.0000	J
V Methylene chloride	UG/KG	5.0000	J
V 2-Butanone	UG/KG	28.0000	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED4SHA11                    CED4SHA12                    CED4SHA12DL  
LAB SAMPLE ID---> Q30906201A                    Q30906202A                    Q30906202  
RECEIPT DATE----> 09/04/93                    09/04/93                    09/04/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	5.6000	6.9000	.
M Arsenic	MG/KG	5.2000	J	5.0000 J
M Barium	MG/KG	101.0000	.	72.6000
M Chromium	MG/KG	11.7000	J	10.6000 J
M Selenium	MG/KG	0.5300	R	0.5800 R
P Alpha BHC	ug/Kg	.	.	8.1000
P Methoxychlor	ug/Kg	.	.	1200.0000 8100.0000 J
P 4,4'-DDD	ug/Kg	.	.	33.0000
P 4,4'-DDE	ug/Kg	6.5000	.	25.0000
S 3,4-Dichloroaniline	UG/KG	.	.	1900.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA13	CED4SHA13RE	CED4SHA13REDRE
LAB SAMPLE ID--->	Q30906203A	Q30906203	Q30906203
RECEIPT DATE---->	09/04/93	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	7.4000	.	.
M	Arsenic	MG/KG	3.3000	J	.
M	Barium	MG/KG	111.0000	.	.
M	Chromium	MG/KG	12.0000	J	.
M	Selenium	MG/KG	0.5700	R	.
P	Beta BHC	ug/Kg	.	5.1000	.
P	4,4'-DDT	ug/Kg	.	19.0000	.
P	Dieldrin	ug/Kg	.	50.0000	.
P	Methoxychlor	ug/Kg	.	.	5700.0000
P	4,4'-DDD	ug/Kg	.	84.0000	.
P	4,4'-DDE	ug/Kg	.	37.0000	.
S	4-Nitroaniline	UG/KG	1500.0000	UJ	.
S	4-Nitrophenol	UG/KG	3900.0000	UJ	.
S	Benzyl Alcohol	UG/KG	1500.0000	UJ	.
S	4-Bromophenyl-phenylether	UG/KG	790.0000	UJ	.
S	2,4-Dimethylphenol	UG/KG	790.0000	UJ	.
S	4-Methylphenol	UG/KG	790.0000	UJ	.
S	1,4-Dichlorobenzene	UG/KG	790.0000	UJ	.
S	4-Chloroaniline	UG/KG	1500.0000	UJ	.
S	bis(2-Chloroisopropyl)Ether	UG/KG	790.0000	UJ	.
S	Phenol	UG/KG	790.0000	UJ	.
S	bis(2-Chloroethyl) Ether	UG/KG	790.0000	UJ	.
S	bis(2-Chloroethoxy)Methane	UG/KG	790.0000	UJ	.
S	bis(2-Ethylhexyl)Phthalate	UG/KG	790.0000	UJ	.
S	Di-n-Octyl Phthalate	UG/KG	790.0000	UJ	.
S	Hexachlorobenzene	UG/KG	790.0000	UJ	.
S	Anthracene	UG/KG	790.0000	UJ	.
S	1,2,4-Trichlorobenzene	UG/KG	790.0000	UJ	.
S	2,4-Dichlorophenol	UG/KG	790.0000	UJ	.
S	2,4-Dinitrotoluene	UG/KG	790.0000	UJ	.
S	Pyrene	UG/KG	790.0000	UJ	.
S	Dimethyl Phthalate	UG/KG	790.0000	UJ	.
S	Dibenzofuran	UG/KG	790.0000	UJ	.
S	Indeno(1,2,3-cd)pyrene	UG/KG	790.0000	UJ	.
S	Benzo(b)Fluoranthene	UG/KG	790.0000	UJ	.
S	Fluoranthene	UG/KG	790.0000	UJ	.
S	Benzo(k)Fluoranthene	UG/KG	790.0000	UJ	.
S	Acenaphthylene	UG/KG	790.0000	UJ	.
S	Chrysene	UG/KG	790.0000	UJ	.
S	Benzo(a)Pyrene	UG/KG	790.0000	UJ	.
S	2,4-Dinitrophenol	UG/KG	790.0000	UJ	.
S	4,6-Dinitro-2-Methylphenol	UG/KG	3900.0000	UJ	.
S	1,3-Dichlorobenzene	UG/KG	790.0000	UJ	.
S	Benzo(a)Anthracene	UG/KG	790.0000	UJ	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED4SHA13  
 LAB SAMPLE ID---> Q30906203A  
 RECEIPT DATE----> 09/04/93

CED4SHA13RE  
 Q30906203

CED4SHA13REDRE  
 Q30906203

**PARAMETER**

**UNITS**

S	4-Chloro-3-Methylphenol	UG/KG	1500.0000	UJ
S	2,6-Dinitrotoluene	UG/KG	790.0000	UJ
S	N-Nitroso-Di-n-Propylamine	UG/KG	790.0000	UJ
S	Benzoic Acid	UG/KG	3900.0000	UJ
S	Hexachloroethane	UG/KG	790.0000	UJ
S	4-Chlorophenyl-phenylether	UG/KG	790.0000	UJ
S	Propanil	UG/KG	410.0000	J
S	Hexachlorocyclopentadiene	UG/KG	790.0000	UJ
S	Isophorone	UG/KG	790.0000	UJ
S	Acenaphthene	UG/KG	790.0000	UJ
S	Diethylphthalate	UG/KG	790.0000	UJ
S	Di-n-Butylphthalate	UG/KG	790.0000	UJ
S	Phenanthrene	UG/KG	790.0000	UJ
S	Butylbenzylphthalate	UG/KG	790.0000	UJ
S	N-Nitrosodiphenylamine	UG/KG	790.0000	UJ
S	Fluorene	UG/KG	790.0000	UJ
S	Hexachlorobutadiene	UG/KG	790.0000	UJ
S	Pentachlorophenol	UG/KG	3900.0000	UJ
S	2,4,6-Trichlorophenol	UG/KG	790.0000	UJ
S	2-Nitroaniline	UG/KG	3900.0000	UJ
S	2-Nitrophenol	UG/KG	790.0000	UJ
S	Dinoseb	UG/KG	740.0000	J
S	Naphthalene	UG/KG	790.0000	UJ
S	2-Methylnaphthalene	UG/KG	790.0000	UJ
S	2-Chloronaphthalene	UG/KG	790.0000	UJ
S	3,3'-Dichlorobenzidine	UG/KG	1500.0000	UJ
S	2-Methylphenol	UG/KG	790.0000	UJ
S	1,2-Dichlorobenzene	UG/KG	790.0000	UJ
S	2-Chlorophenol	UG/KG	790.0000	UJ
S	3,4-Dichloroaniline	UG/KG	4900.0000	J
S	2,4,5-Trichlorophenol	UG/KG	790.0000	UJ
S	Nitrobenzene	UG/KG	790.0000	UJ
S	3-Nitroaniline	UG/KG	3900.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA21	CED4SHA21DL
LAB SAMPLE ID--->	Q30906204A	Q30906204
RECEIPT DATE---->	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	7.7000	.	9.3000
M	Arsenic	MG/KG	3.8000	J	3.8000 J
M	Barium	MG/KG	94.1000	.	91.1000
M	Chromium	MG/KG	14.3000	J	14.2000 J
M	Selenium	MG/KG	0.5400	R	0.5900 R
P	Endosulfan II	ug/Kg	.	.	72.0000
P	4,4'-DDT	ug/Kg	260.0000	.	430.0000
P	Endrin Ketone	ug/Kg	.	.	770.0000
P	Methoxychlor	ug/Kg	11000.0000	15000.0000 J	.
P	4,4'-DDD	ug/Kg	.	.	120.0000
P	4,4'-DDE	ug/Kg	56.0000	.	150.0000
S	Dinoseb	UG/KG	500000.000	J	1300000.00 R
S	3,4-Dichloroaniline	UG/KG	.	.	7400.0000 J
V	Ethylbenzene	UG/KG	4.0000	J	150.0000
V	Toluene	UG/KG	8.0000	.	500.0000
V	Chlorobenzene	UG/KG	.	.	7.0000 J
V	Total Xylenes	UG/KG	.	.	340.0000 J
U	Carbon disulfide	UG/KG	.	.	120.0000
	2-Butanone	UG/KG	17.0000	.	43.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA22DIL	CED4SHA22DL	CED4SHA23
LAB SAMPLE ID--->	Q30906205A	Q30906205	Q30906206A
RECEIPT DATE---->	09/04/93	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	.	8.3000
M Arsenic	MG/KG	.	.	4.4000 J
M Barium	MG/KG	.	.	86.6000
M Chromium	MG/KG	.	.	14.1000 J
M Selenium	MG/KG	.	.	0.5800 R
P 4,4'-DDT	ug/Kg	.	.	170.0000
P Methoxychlor	ug/Kg	.	74000.0000 J	11000.0000
P 4,4'-DDE	ug/Kg	.	.	75.0000
S Dinoseb	UG/KG	1100000.00 J	.	480000.000 R
V Ethylbenzene	UG/KG	.	.	110.0000
V Toluene	UG/KG	.	.	290.0000
V Total Xylenes	UG/KG	.	.	270.0000 J
V Carbon disulfide	UG/KG	.	.	68.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA23DIL	CED4SHA23DL	CED4SHA31
LAB SAMPLE ID--->	Q30906206A	Q30906206	Q30906801A
RECEIPT DATE--->	09/04/93	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	.	3.9000	J
M	Arsenic	MG/KG	.	3.4000	R
M	Barium	MG/KG	.	54.0000	
M	Cadmium	MG/KG	.	0.4400	
M	Chromium	MG/KG	.	10.6000	
P	Heptachlor epoxide	ug/Kg	.	58.0000	UJ
P	Endosulfan Sulfate	ug/Kg	.	46.0000	UJ
P	Aldrin	ug/Kg	.	2.8000	UJ
P	Alpha BHC	ug/Kg	.	2.1000	UJ
P	Beta BHC	ug/Kg	.	4.2000	UJ
P	Delta BHC	ug/Kg	.	6.3000	UJ
P	Endosulfan II	ug/Kg	.	2.8000	UJ
P	4,4'-DDT	ug/Kg	.	8.4000	UJ
P	Alpha Chlordane	ug/Kg	.	9.8000	UJ
P	gamma-Chlordane	ug/Kg	.	9.8000	UJ
P	Endrin Ketone	ug/Kg	.	17.0000	UJ
P	Gamma BHC	ug/Kg	.	2.8000	UJ
P	Dieldrin	ug/Kg	.	1.4000	UJ
P	Endrin	ug/Kg	.	4.2000	UJ
P	Methoxychlor	ug/Kg	15000.0000 J	1100.0000	J
P	4,4'-DDD	ug/Kg	.	7.7000	UJ
P	4,4'-DDE	ug/Kg	.	5.2000	J
P	Heptachlor	ug/Kg	.	2.1000	UJ
P	Toxaphene	ug/Kg	.	170.0000	UJ
P	Endosulfan I	ug/Kg	.	9.8000	UJ
S	Dinoseb	UG/KG	470000.000 J	.	
V	2-Butanone	UG/KG	.	9.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA31DIL	CED4SHA41
LAB SAMPLE ID--->	Q30906801	Q30906802A
RECEIPT DATE---->	09/04/93	09/04/93

**PARAMETER**

UNITS

M Lead	MG/KG	.	5.5000	J	.
M Arsenic	MG/KG	.	4.1000	R	.
M Barium	MG/KG	.	52.6000		.
M Cadmium	MG/KG	.	0.4400		.
M Chromium	MG/KG	.	10.2000		.
P Heptachlor epoxide	ug/Kg	.	59.0000	UJ	.
P Endosulfan Sulfate	ug/Kg	.	46.0000	UJ	.
P Aldrin	ug/Kg	.	2.8000	UJ	.
P Alpha BHC	ug/Kg	.	2.1000	UJ	.
P Beta BHC	ug/Kg	.	4.3000	UJ	.
P Delta BHC	ug/Kg	.	6.4000	UJ	.
P Endosulfan II	ug/Kg	.	3.4000	J	.
P 4,4'-DDT	ug/Kg	.	8.4000	UJ	.
P Alpha Chlordane	ug/Kg	.	10.0000	UJ	.
P gamma-Chlordane	ug/Kg	.	10.0000	UJ	.
P Endrin Ketone	ug/Kg	.	17.0000	UJ	.
P Gamma BHC	ug/Kg	.	2.8000	UJ	.
P Dieldrin	ug/Kg	.	1.6000	J	.
P Endrin	ug/Kg	.	4.3000	UJ	.
P Methoxychlor	ug/Kg	8400.0000	1100.0000	J	12000.0000
P 4,4'-DDD	ug/Kg	.	7.8000	UJ	.
P 4,4'-DDE	ug/Kg	.	25.0000	J	.
P Heptachlor	ug/Kg	.	2.1000	UJ	.
P Toxaphene	ug/Kg	.	170.0000	UJ	.
P Endosulfan I	ug/Kg	.	10.0000	UJ	.
V Acetone	UG/KG	.	170.0000		.
V 2-Butanone	UG/KG	.	12.0000		.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA42	CED4SHA42DIL
LAB SAMPLE ID-->	Q30906803A	Q30906803
RECEIPT DATE-->	09/04/93	09/04/93

PARAMETER	UNITS			
M Lead	MG/KG	8.6000	J	.
M Arsenic	MG/KG	7.2000	R	.
M Barium	MG/KG	80.9000	.	96.8000
M Chromium	MG/KG	8.6000	.	11.4000
P Heptachlor epoxide	ug/Kg	.	6800.0000	UJ
P Endosulfan Sulfate	ug/Kg	.	5400.0000	UJ
P Aldrin	ug/Kg	.	330.0000	UJ
P Alpha BHC	ug/Kg	.	240.0000	UJ
P Beta BHC	ug/Kg	.	490.0000	UJ
P Delta BHC	ug/Kg	.	730.0000	UJ
P Endosulfan II	ug/Kg	.	330.0000	UJ
P 4,4'-DDT	ug/Kg	.	980.0000	UJ
P Alpha Chlordane	ug/Kg	.	1100.0000	UJ
P gamma-Chlordane	ug/Kg	.	1100.0000	UJ
P Endrin Ketone	ug/Kg	.	2000.0000	UJ
P Gamma BHC	ug/Kg	.	330.0000	UJ
P Dieldrin	ug/Kg	.	160.0000	UJ
Endrin	ug/Kg	.	490.0000	UJ
Methoxychlor	ug/Kg	16000.0000	J	26000.0000 J 1600.0000
P 4,4'-DDD	ug/Kg	.	900.0000	UJ
P 4,4'-DDE	ug/Kg	280.0000	J	330.0000 UJ
P Heptachlor	ug/Kg	.	240.0000	UJ
P Toxaphene	ug/Kg	.	20000.0000	UJ
P Endosulfan I	ug/Kg	.	1100.0000	UJ
S 4-Chloroaniline	UG/KG	12000.0000	.	4500.0000
S 1,2,4-Trichlorobenzene	UG/KG	470.0000	J	.
S Pyrene	UG/KG	110.0000	J	.
S Fluoranthene	UG/KG	130.0000	J	.
S 1,2-Dichlorobenzene	UG/KG	160.0000	J	.
V 1,2-Dichloroethane	UG/KG	25.0000	.	350.0000 R
V Toluene	UG/KG	45.0000	J	230.0000
V Total Xylenes	UG/KG	.	.	1.0000 J
V Acetone	UG/KG	31.0000	.	20.0000
V Chloroform	UG/KG	.	.	25.0000
V Methylene chloride	UG/KG	1.0000	J	.
V Carbon disulfide	UG/KG	.	.	16.0000
V 1,1-Dichloroethene	UG/KG	.	.	2.0000 J
V 2-Butanone	UG/KG	17.0000	.	19.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA43D	CED4SHA43DIL	CED4SHA61
LAB SAMPLE ID--->	Q30906807A	Q30906806A	Q30906808A
RECEIPT DATE--->	09/04/93	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	8.7000	J	.	10.2000	J
M Arsenic	MG/KG	9.8000	R	.	4.4000	R
M Barium	MG/KG	79.7000	.	.	76.2000	
M Cadmium	MG/KG	.	.	.	0.3700	
M Chromium	MG/KG	13.5000	.	.	13.9000	
P Heptachlor epoxide	ug/Kg	.	.	.	190.0000	UJ
P Endosulfan Sulfate	ug/Kg	.	.	.	150.0000	UJ
P Aldrin	ug/Kg	.	.	.	9.0000	UJ
P Alpha BHC	ug/Kg	.	.	.	14.0000	J
P Beta BHC	ug/Kg	.	.	.	14.0000	UJ
P Delta BHC	ug/Kg	.	.	.	20.0000	UJ
P Endosulfan II	ug/Kg	.	.	.	9.0000	UJ
P 4,4'-DDT	ug/Kg	.	.	.	100.0000	J
P Alpha Chlordane	ug/Kg	.	.	.	32.0000	UJ
P gamma-Chlordane	ug/Kg	.	.	.	32.0000	UJ
P Endrin Ketone	ug/Kg	.	.	.	54.0000	UJ
P Gamma BHC	ug/Kg	.	.	.	9.0000	UJ
Dieldrin	ug/Kg	.	.	.	190.0000	J
Endrin	ug/Kg	.	.	.	14.0000	UJ
P Methoxychlor	ug/Kg	430.0000	.	.	1000.0000	J
P 4,4'-DDD	ug/Kg	.	.	.	33.0000	J
P 4,4'-DDE	ug/Kg	.	.	.	36.0000	J
P Heptachlor	ug/Kg	.	.	.	6.8000	UJ
P Toxaphene	ug/Kg	.	.	.	540.0000	UJ
P Endosulfan I	ug/Kg	.	.	.	32.0000	J
S 4-Nitroaniline	UG/KG	1600.0000	UJ	.	2900.0000	UJ
S 4-Nitrophenol	UG/KG	4100.0000	UJ	.	7400.0000	UJ
S Benzyl Alcohol	UG/KG	1600.0000	UJ	.	2900.0000	UJ
S 4-Bromophenyl-phenylether	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 2,4-Dimethylphenol	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 4-Methylphenol	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 1,4-Dichlorobenzene	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 4-Chloroaniline	UG/KG	1100.0000	J	.	2900.0000	UJ
S bis(2-Chloroisopropyl)Ether	UG/KG	810.0000	UJ	.	1500.0000	UJ
S Phenol	UG/KG	810.0000	UJ	.	1500.0000	UJ
S bis(2-Chloroethyl) Ether	UG/KG	810.0000	UJ	.	1500.0000	UJ
S bis(2-Chloroethoxy)Methane	UG/KG	810.0000	UJ	.	1500.0000	UJ
S bis(2-Ethylhexyl)Phthalate	UG/KG	810.0000	UJ	.	1700.0000	J
S Di-n-Octyl Phthalate	UG/KG	810.0000	UJ	.	1500.0000	UJ
S Hexachlorobenzene	UG/KG	810.0000	UJ	.	1500.0000	UJ
S Anthracene	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 1,2,4-Trichlorobenzene	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 2,4-Dichlorophenol	UG/KG	810.0000	UJ	.	1500.0000	UJ
S 2,4-Dinitrotoluene	UG/KG	810.0000	UJ	.	1500.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA43D	CED4SHA43DIL	CED4SHA61
LAB SAMPLE ID--->	Q30906807A	Q30906806A	Q30906808A
RECEIPT DATE---->	09/04/93	.	09/04/93

PARAMETER	UNITS				
S Pyrene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Dimethyl Phthalate	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Dibenzofuran	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Indeno(1,2,3-cd)pyrene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Benzo(b)Fluoranthene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Fluoranthene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Benzo(k)Fluoranthene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Acenaphthylene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Chrysene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Benzo(a)Pyrene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 2,4-Dinitrophenol	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 4,6-Dinitro-2-Methylphenol	UG/KG	4100.0000	UJ	.	7400.0000 UJ
S 1,3-Dichlorobenzene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Benzo(a)Anthracene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 4-Chloro-3-Methylphenol	UG/KG	1600.0000	UJ	.	2900.0000 UJ
S 2,6-Dinitrotoluene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S N-Nitroso-Di-n-Propylamine	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Benzoic Acid	UG/KG	4100.0000	UJ	.	7400.0000 UJ
S Hexachloroethane	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 4-Chlorophenyl-phenylether	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Propanil	UG/KG	810.0000	UJ	.	2500.0000 J
S Hexachlorocyclopentadiene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Isophorone	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Acenaphthene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Diethylphthalate	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Di-n-Butylphthalate	UG/KG	810.0000	UJ	.	400.0000 J
S Phenanthrene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Butylbenzylphthalate	UG/KG	810.0000	UJ	.	1500.0000 UJ
S N-Nitrosodiphenylamine	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Fluorene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Hexachlorobutadiene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Pentachlorophenol	UG/KG	4100.0000	UJ	.	7400.0000 UJ
S 2,4,6-Trichlorophenol	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 2-Nitroaniline	UG/KG	4100.0000	UJ	.	7400.0000 UJ
S 2-Nitrophenol	UG/KG	810.0000	UJ	.	1500.0000 UJ
S Naphthalene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 2-Methylnaphthalene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 2-Chloronaphthalene	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 3,3'-Dichlorobenzidine	UG/KG	1600.0000	UJ	.	2900.0000 UJ
S 2-Methylphenol	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 1,2-Dichlorobenzene	UG/KG	350.0000	J	.	3700.0000 J
S 2-Chlorophenol	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 3,4-Dichloroaniline	UG/KG	810.0000	UJ	.	1500.0000 UJ
S 2,4,5-Trichlorophenol	UG/KG	810.0000	UJ	.	1500.0000 UJ
Nitrobenzene	UG/KG	810.0000	UJ	.	1500.0000 UJ

**CEDA CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED4SHA43D      CED4SHA43DIL      CED4SHA61  
LAB SAMPLE ID---> Q30906807A      Q30906806A      Q30906808A  
RECEIPT DATE----> 09/04/93      .      09/04/93

**PARAMETER**

**UNITS**

S 3-Nitroaniline	UG/KG	4100.0000	UJ	.	7400.0000	UJ
S Dinoseb	UG/KG	810.0000	UJ	.	190000.000	J
V 1,2-Dichloroethane	UG/KG	350.0000	.	320.0000	J	.
V Toluene	UG/KG	230.0000	.	220.0000	J	5.0000 J
V Total Xylenes	UG/KG	.	.	.	36.0000	J
V Acetone	UG/KG	.	.	20.0000	J	.
V Chloroform	UG/KG	26.0000	.	26.0000	J	.
V Carbon disulfide	UG/KG	16.0000	.	15.0000	J	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA61DIL	CED4SHA62
LAB SAMPLE ID--->	Q30906808	Q30906809A
RECEIPT DATE--->	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	.	15.8000	J	.
M	Arsenic	MG/KG	.	5.2000	R	.
M	Barium	MG/KG	.	83.8000	.	.
M	Chromium	MG/KG	.	20.9000	.	.
P	Heptachlor epoxide	ug/Kg	.	640.0000	UJ	6400.0000 UJ
P	Endosulfan Sulfate	ug/Kg	.	510.0000	UJ	5100.0000 UJ
P	Aldrin	ug/Kg	.	31.0000	UJ	310.0000 UJ
P	Alpha BHC	ug/Kg	.	23.0000	UJ	230.0000 UJ
P	Beta BHC	ug/Kg	.	46.0000	UJ	460.0000 UJ
P	Delta BHC	ug/Kg	.	69.0000	UJ	690.0000 UJ
P	Endosulfan II	ug/Kg	.	31.0000	UJ	310.0000 UJ
P	4,4'-DDT	ug/Kg	.	450.0000	J	920.0000 UJ
P	Alpha Chlordane	ug/Kg	.	110.0000	UJ	1100.0000 UJ
P	gamma-Chlordane	ug/Kg	.	110.0000	UJ	1100.0000 UJ
P	Endrin Ketone	ug/Kg	.	180.0000	UJ	1800.0000 UJ
P	Gamma BHC	ug/Kg	.	31.0000	UJ	310.0000 UJ
P	Dieldrin	ug/Kg	210.0000	630.0000	J	890.0000 J
	Endrin	ug/Kg	.	46.0000	UJ	460.0000 UJ
	Methoxychlor	ug/Kg	9400.0000	1400.0000	UJ	34000.0000 J
P	4,4'-DDD	ug/Kg	.	140.0000	J	840.0000 UJ
P	4,4'-DDE	ug/Kg	.	110.0000	J	310.0000 UJ
P	Heptachlor	ug/Kg	.	23.0000	UJ	230.0000 UJ
P	Toxaphene	ug/Kg	.	1800.0000	UJ	18000.0000 UJ
P	Endosulfan I	ug/Kg	.	110.0000	UJ	1100.0000 UJ
S	4-Nitroaniline	UG/KG	.	2700000.00	UJ	.
S	4-Nitrophenol	UG/KG	.	6800000.00	UJ	.
S	Benzyl Alcohol	UG/KG	.	2700000.00	UJ	.
S	4-Bromophenyl-phenylether	UG/KG	.	1400000.00	UJ	.
S	2,4-Dimethylphenol	UG/KG	.	1400000.00	UJ	.
S	4-Methylphenol	UG/KG	.	1400000.00	UJ	.
S	1,4-Dichlorobenzene	UG/KG	.	1400000.00	UJ	.
S	4-Chloroaniline	UG/KG	.	2700000.00	UJ	.
S	bis(2-Chloroisopropyl)Ether	UG/KG	.	1400000.00	UJ	.
S	Phenol	UG/KG	.	1400000.00	UJ	.
S	bis(2-Chloroethyl) Ether	UG/KG	.	1400000.00	UJ	.
S	bis(2-Chloroethoxy)Methane	UG/KG	.	1400000.00	UJ	.
S	bis(2-Ethylhexyl)Phthalate	UG/KG	.	1400000.00	UJ	.
S	Di-n-Octyl Phthalate	UG/KG	.	1400000.00	UJ	.
S	Hexachlorobenzene	UG/KG	.	1400000.00	UJ	.
S	Anthracene	UG/KG	.	1400000.00	UJ	.
S	1,2,4-Trichlorobenzene	UG/KG	.	1400000.00	UJ	.
S	2,4-Dichlorophenol	UG/KG	.	1400000.00	UJ	.
S	2,4-Dinitrotoluene	UG/KG	.	1400000.00	UJ	.
	Pyrene	UG/KG	.	1400000.00	UJ	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA61DIL	CED4SHA62	CED4SHA62DIL
LAB SAMPLE ID--->	Q30906808	Q30906809A	Q30906809
RECEIPT DATE---->		09/04/93	

PARAMETER	UNITS			
S Dimethyl Phthalate	UG/KG	.	1400000.00	UJ
S Dibenzofuran	UG/KG	.	1400000.00	UJ
S Indeno(1,2,3-cd)pyrene	UG/KG	.	1400000.00	UJ
S Benzo(b)Fluoranthene	UG/KG	.	1400000.00	UJ
S Fluoranthene	UG/KG	.	1400000.00	UJ
S Benzo(k)Fluoranthene	UG/KG	.	1400000.00	UJ
S Acenaphthylene	UG/KG	.	1400000.00	UJ
S Chrysene	UG/KG	.	1400000.00	UJ
S Benzo(a)Pyrene	UG/KG	.	1400000.00	UJ
S 2,4-Dinitrophenol	UG/KG	.	1400000.00	UJ
S 4,6-Dinitro-2-Methylphenol	UG/KG	.	6800000.00	UJ
S 1,3-Dichlorobenzene	UG/KG	.	1400000.00	UJ
S Benzo(a)Anthracene	UG/KG	.	1400000.00	UJ
S 4-Chloro-3-Methylphenol	UG/KG	.	2700000.00	UJ
S 2,6-Dinitrotoluene	UG/KG	.	1400000.00	UJ
S N-Nitroso-Di-n-Propylamine	UG/KG	.	1400000.00	UJ
S Benzoic Acid	UG/KG	.	6800000.00	UJ
S Hexachloroethane	UG/KG	.	1400000.00	UJ
S 4-Chlorophenyl-phenylether	UG/KG	.	1400000.00	UJ
S Propanil	UG/KG	.	1400000.00	UJ
S Hexachlorocyclopentadiene	UG/KG	.	1400000.00	UJ
S Isophorone	UG/KG	.	1400000.00	UJ
S Acenaphthene	UG/KG	.	1400000.00	UJ
S Diethylphthalate	UG/KG	.	1400000.00	UJ
S Di-n-Butylphthalate	UG/KG	.	1400000.00	UJ
S Phenanthrene	UG/KG	.	1400000.00	UJ
S Butylbenzylphthalate	UG/KG	.	1400000.00	UJ
S N-Nitrosodiphenylamine	UG/KG	.	1400000.00	UJ
S Fluorene	UG/KG	.	1400000.00	UJ
S Hexachlorobutadiene	UG/KG	.	1400000.00	UJ
S Pentachlorophenol	UG/KG	.	6800000.00	UJ
S 2,4,6-Trichlorophenol	UG/KG	.	1400000.00	UJ
S 2-Nitroaniline	UG/KG	.	6800000.00	UJ
S 2-Nitrophenol	UG/KG	.	1400000.00	UJ
S Naphthalene	UG/KG	.	1400000.00	UJ
S 2-Methylnaphthalene	UG/KG	.	1400000.00	UJ
S 2-Chloronaphthalene	UG/KG	.	1400000.00	UJ
S 3,3'-Dichlorobenzidine	UG/KG	.	2700000.00	UJ
S 2-Methylphenol	UG/KG	.	1400000.00	UJ
S 1,2-Dichlorobenzene	UG/KG	.	1400000.00	UJ
S 2-Chlorophenol	UG/KG	.	1400000.00	UJ
S 3,4-Dichloroaniline	UG/KG	4000000.00 J	12000000.0	J
S 2,4,5-Trichlorophenol	UG/KG	.	1400000.00	UJ
S Nitrobenzene	UG/KG	.	1400000.00	UJ
S 3-Nitroaniline	UG/KG	.	6800000.00	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA61DIL	CED4SHA62	CED4SHA62DIL
LAB SAMPLE ID-->	Q30906808	Q30906809A	Q30906809
RECEIPT DATE-->		09/04/93	

PARAMETER	UNITS		
S Dinoseb	UG/KG	1400000.00	UJ
V Ethylbenzene	UG/KG	8.0000	J
V 4-Methyl-2-Pentanone	UG/KG	28.0000	J
V Toluene	UG/KG	100.0000	
V Chlorobenzene	UG/KG	3.0000	J
V Total Xylenes	UG/KG	290.0000	
V Acetone	UG/KG	130.0000	
V 2-Butanone	UG/KG	54.0000	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA71	CED4SHA71DIL	CED4SHA72
LAB SAMPLE ID--->	Q30906810A	Q30906810A	Q30906811A
RECEIPT DATE---->	09/04/93	09/04/93	09/04/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	10.5000	J	.	11.1000	J
M Arsenic	MG/KG	6.8000	R	.	7.4000	R
M Barium	MG/KG	106.0000	.	.	118.0000	.
M Chromium	MG/KG	17.8000	.	.	14.7000	.
S 4-Nitroaniline	UG/KG	.	160000.000	UJ	.	.
S 4-Nitrophenol	UG/KG	.	410000.000	UJ	.	.
S Benzyl Alcohol	UG/KG	.	160000.000	UJ	.	.
S 4-Bromophenyl-phenylether	UG/KG	.	82000.0000	UJ	.	.
S 2,4-Dimethylphenol	UG/KG	.	82000.0000	UJ	.	.
S 4-Methylphenol	UG/KG	.	82000.0000	UJ	.	.
S 1,4-Dichlorobenzene	UG/KG	.	82000.0000	UJ	.	.
S 4-Chloroaniline	UG/KG	.	160000.000	UJ	.	.
S bis(2-Chloroisopropyl)Ether	UG/KG	.	82000.0000	UJ	.	.
S Phenol	UG/KG	.	82000.0000	UJ	.	.
S bis(2-Chloroethyl) Ether	UG/KG	.	82000.0000	UJ	.	.
S bis(2-Chloroethoxy)Methane	UG/KG	.	82000.0000	UJ	.	.
S bis(2-Ethylhexyl)Phthalate	UG/KG	.	82000.0000	UJ	.	.
S Di-n-Octyl Phthalate	UG/KG	.	82000.0000	UJ	.	.
S Hexachlorobenzene	UG/KG	.	82000.0000	UJ	.	.
S Anthracene	UG/KG	.	82000.0000	UJ	.	.
S 1,2,4-Trichlorobenzene	UG/KG	.	82000.0000	UJ	.	.
S 2,4-Dichlorophenol	UG/KG	.	82000.0000	UJ	.	.
S 2,4-Dinitrotoluene	UG/KG	.	82000.0000	UJ	.	.
S Pyrene	UG/KG	.	82000.0000	UJ	.	.
S Dimethyl Phthalate	UG/KG	180.0000	J	82000.0000	UJ	.
S Dibenzofuran	UG/KG	.	82000.0000	UJ	.	.
S Indeno(1,2,3-cd)pyrene	UG/KG	.	82000.0000	UJ	.	.
S Benzo(b)Fluoranthene	UG/KG	.	82000.0000	UJ	.	.
S Fluoranthene	UG/KG	.	82000.0000	UJ	.	.
S Benzo(k)Fluoranthene	UG/KG	.	82000.0000	UJ	.	.
S Acenaphthylene	UG/KG	.	82000.0000	UJ	.	.
S Chrysene	UG/KG	.	82000.0000	UJ	.	.
S Benzo(a)Pyrene	UG/KG	.	82000.0000	UJ	.	.
S 2,4-Dinitrophenol	UG/KG	.	82000.0000	UJ	.	.
S 4,6-Dinitro-2-Methylphenol	UG/KG	.	410000.000	UJ	.	.
S 1,3-Dichlorobenzene	UG/KG	.	82000.0000	UJ	.	.
S Benzo(a)Anthracene	UG/KG	.	82000.0000	UJ	.	.
S 4-Chloro-3-Methylphenol	UG/KG	.	160000.000	UJ	.	.
S 2,6-Dinitrotoluene	UG/KG	.	82000.0000	UJ	.	.
S N-Nitroso-Di-n-Propylamine	UG/KG	.	82000.0000	UJ	.	.
S Benzoic Acid	UG/KG	.	410000.000	UJ	.	.
S Hexachloroethane	UG/KG	.	82000.0000	UJ	.	.
S 4-Chlorophenyl-phenylether	UG/KG	.	82000.0000	UJ	.	.
Propanil	UG/KG	.	82000.0000	UJ	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA71	CED4SHA71DIL	CED4SHA72
LAB SAMPLE ID-->	Q30906810A	Q30906810A	Q30906811A
RECEIPT DATE--->	.	09/04/93	.

PARAMETER	UNITS			
S Hexachlorocyclopentadiene	UG/KG	.	82000.0000	UJ
S Isophorone	UG/KG	.	82000.0000	UJ
S Acenaphthene	UG/KG	.	82000.0000	UJ
S Diethylphthalate	UG/KG	.	82000.0000	UJ
S Di-n-Butylphthalate	UG/KG	.	18000.0000	UJ
S Phenanthrene	UG/KG	.	82000.0000	UJ
S Butylbenzylphthalate	UG/KG	.	82000.0000	UJ
S N-Nitrosodiphenylamine	UG/KG	.	82000.0000	UJ
S Fluorene	UG/KG	.	82000.0000	UJ
S Hexachlorobutadiene	UG/KG	.	82000.0000	UJ
S Pentachlorophenol	UG/KG	280.0000 J	410000.000	UJ
S 2,4,6-Trichlorophenol	UG/KG	.	82000.0000	UJ
S 2-Nitroaniline	UG/KG	.	410000.000	UJ
S 2-Nitrophenol	UG/KG	.	82000.0000	UJ
S Naphthalene	UG/KG	.	82000.0000	UJ
S 2-Methylnaphthalene	UG/KG	.	82000.0000	UJ
S 2-Chloronaphthalene	UG/KG	.	82000.0000	UJ
S 3,3'-Dichlorobenzidine	UG/KG	.	160000.000	UJ
2-Methylphenol	UG/KG	.	82000.0000	UJ
1,2-Dichlorobenzene	UG/KG	120.0000 J	82000.0000	UJ
S 2-Chlorophenol	UG/KG	.	82000.0000	UJ
S 3,4-Dichloroaniline	UG/KG	.	82000.0000	UJ
S 2,4,5-Trichlorophenol	UG/KG	.	82000.0000	UJ
S Nitrobenzene	UG/KG	.	82000.0000	UJ
S 3-Nitroaniline	UG/KG	.	410000.000	UJ
S Dinoseb	UG/KG	420000.000 R	840000.000 J	87000.0000 R
V 1,2-Dichloroethane	UG/KG	.		31.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SHA72DIL	CED4SHA73	CED4SHA73DIL
LAB SAMPLE ID--->	Q30906811A	Q30906812A	Q30906812A
RECEIPT DATE--->	09/04/93	09/04/93	09/04/93

PARAMETER	UNITS				
M Lead	MG/KG	.	9.0000	J	.
M Arsenic	MG/KG	.	6.2000	R	.
M Barium	MG/KG	.	127.0000	.	.
M Chromium	MG/KG	.	11.3000	.	.
S Dinoseb	UG/KG	98000.0000	J	34000.0000	R
V 1,2-Dichloroethane	UG/KG	.	26.0000	19000.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED4SHA81                    CED4SHA81DIL                    CED4SHA82  
LAB SAMPLE ID---> Q30906813A                    Q30906813A                    Q30906814A  
RECEIPT DATE---> 09/04/93                        09/04/93                        09/04/93

PARAMETER

UNITS

M	Lead	MG/KG	11.4000	J	.	12.5000	J	
M	Arsenic	MG/KG	7.0000	R	.	8.3000	R	
M	Barium	MG/KG	113.0000	.	.	118.0000		
M	Chromium	MG/KG	18.2000	.	.	14.7000		
S	Dinoseb	UG/KG	1300000.000	R	91000.0000	J	90000.0000	R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED4SHA82DIL      CED4SHA83      CED4SHA83DIL  
LAB SAMPLE ID---> Q30906814A      Q30906815A      Q30906815A  
RECEIPT DATE---> 09/04/93      09/04/93      09/04/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	10.5000	J	.
M Arsenic	MG/KG	.	6.6000	R	.
M Barium	MG/KG	.	95.9000		.
M Chromium	MG/KG	.	13.2000		.
S Dinoseb	UG/KG	73000.0000 J	25000.0000 R	26000.0000 J	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SMW13	CED4SMW13DIL	CED4SMW16
LAB SAMPLE ID--->	Q30927905A	Q30927905	Q30928003A
RECEIPT DATE--->	09/23/93	09/23/93	09/23/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	30.0000	.	11.0000
M	Silver	MG/KG	0.3800	UJ	0.3900 UJ
M	Arsenic	MG/KG	9.4000	.	15.5000
M	Barium	MG/KG	218.0000	.	95.2000
M	Chromium	MG/KG	12.4000	J	14.9000 J
P	Dieldrin	ug/Kg	.	5.7000	.
P	Methoxychlor	ug/Kg	.	460.0000	.
S	4-Nitrophenol	ug/kg	.	.	2.0000 J
S	Phenol	ug/kg	.	.	7.0000 J
S	Propanil	ug/kg	.	.	64.0000 J
S	Dinoseb	ug/kg	6300.0000	.	.
S	2-Methylphenol	ug/kg	.	.	2.0000 J
S	3,4-Dichloroaniline	ug/kg	.	.	12.0000 J
V	Ethylbenzene	UG/KG	9.0000	J	.
V	1,2-Dichloroethane	UG/KG	120.0000	.	.
V	4-Methyl-2-Pentanone	UG/KG	31.0000	J	.
V	Toluene	UG/KG	11000.0000	R	56000.0000 J
	Total Xylenes	UG/KG	96.0000	.	.
	Acetone	UG/KG	99.0000	.	.
V	Chloroform	UG/KG	12.0000	J	.
V	Benzene	UG/KG	29.0000	.	.
V	Methylene chloride	UG/KG	130.0000	.	460.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED4SMW16DIL	CED4SMW21	CED4SMW26
LAB SAMPLE ID--->	Q30928003A	Q30927906A	Q30928301A
RECEIPT DATE--->	09/23/93	09/23/93	09/23/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	9.1000	11.3000	
M	Silver	MG/KG	0.3500	0.3700	UJ
M	Arsenic	MG/KG	6.0000	1.3000	
M	Barium	MG/KG	112.0000	109.0000	
M	Chromium	MG/KG	10.9000	J	11.5000
M	Selenium	MG/KG	.	0.6400	J
S	4-Nitroaniline	ug/kg	.	1082.0000	R
S	4-Nitrophenol	ug/kg	.	1082.0000	R
S	4-Bromophenyl-phenylether	ug/kg	.	433.0000	R
S	2,4-Dimethylphenol	ug/kg	.	433.0000	R
S	4-Methylphenol	ug/kg	.	433.0000	R
S	1,4-Dichlorobenzene	ug/kg	.	433.0000	R
S	4-Chloroaniline	ug/kg	.	433.0000	R
S	Bis(2-chloroisopropyl)eth	ug/kg	.	433.0000	R
S	Phenol	ug/kg	.	433.0000	R
S	Bis(2-chloroethyl)ether	ug/kg	.	433.0000	R
S	Bis(2-chloroethoxy)methan	ug/kg	.	433.0000	R
S	Bis(2-ethylhexyl)phthalat	ug/kg	.	433.0000	R
S	Di-n-octylphthalate	ug/kg	.	433.0000	R
S	Hexachlorobenzene	ug/kg	.	433.0000	R
S	Anthracene	ug/kg	.	433.0000	R
S	1,2,4-Trichlorobenzene	ug/kg	.	433.0000	R
S	2,4-Dichlorophenol	ug/kg	.	433.0000	R
S	2,4-Dinitrotoluene	ug/kg	.	433.0000	R
S	Pyrene	ug/kg	.	433.0000	R
S	Dimethylphthalate	ug/kg	.	433.0000	R
S	Dibenzofuran	ug/kg	.	433.0000	R
S	Benzo(g,h,i)perylene	ug/kg	.	433.0000	R
S	Indeno(1,2,3-cd)pyrene	ug/kg	.	433.0000	R
S	Benzo(b)fluoranthene	ug/kg	.	433.0000	R
S	Fluoranthene	ug/kg	.	433.0000	R
S	Benzo(k)fluoranthene	ug/kg	.	433.0000	R
S	Acenaphthylene	ug/kg	.	433.0000	R
S	Chrysene	ug/kg	.	433.0000	R
S	Benzo(a)pyrene	ug/kg	.	433.0000	R
S	2,4-Dinitrophenol	ug/kg	.	1082.0000	R
S	Dibenz(a,h)ahthracene	ug/kg	.	433.0000	R
S	4,6-Dinitro-2-methylpheno	ug/kg	.	1082.0000	R
S	1,3-Dichlorobenzene	ug/kg	.	433.0000	R
S	Benzo(a)anthracene	ug/kg	.	433.0000	R
S	4-Chloro-3-methylphenol	ug/kg	.	433.0000	R
S	2,6-Dinitrotoluene	ug/kg	.	433.0000	R
S	3-Nitroaniline	ug/kg	.	1082.0000	R
	N-nitroso-di-n-propylamin	ug/kg	.	433.0000	R

**CEDAR CHEMICAL RFI**  
**SOIL HITS**

SAMPLE ID ----->	CED4SMW16DIL	CED4SMW21
LAB SAMPLE ID--->	Q30928003A	Q30927906A
RECEIPT DATE---->		09/23/93

PARAMETER	UNITS		
S Hexachloroethane	ug/kg		433.0000 R
S 4-Chlorophenyl-phenylethane	ug/kg		433.0000 R
S Propanil	ug/kg		1082.0000 R
S Hexachlorocyclopentadiene	ug/kg		433.0000 R
S Isophorone	ug/kg		433.0000 R
S Acenaphthene	ug/kg		433.0000 R
S Diethylphthalate	ug/kg		433.0000 R
S Di-n-butylphthalate	ug/kg		433.0000 R
S Phenanthrene	ug/kg		433.0000 R
S Butylbenzylphthalate	ug/kg		433.0000 R
S N-nitrosodiphenylamine (1)	ug/kg		433.0000 R
S Fluorene	ug/kg		433.0000 R
S Hexachlorobutadiene	ug/kg		433.0000 R
S Pentachlorophenol	ug/kg		1082.0000 R
S 2,4,6-Trichlorophenol	ug/kg		433.0000 R
S 2-Nitroaniline	ug/kg		1082.0000 R
S 2-Nitrophenol	ug/kg		433.0000 R
S Dinoseb	ug/kg	18000.0000	45.0000 J
Naphthalene	ug/kg		433.0000 R
2-Chloronaphthalene	ug/kg		433.0000 R
S 3,3'-Dichlorobenzidine	ug/kg		433.0000 R
S 2-Methylphenol	ug/kg		433.0000 R
S 1,2-Dichlorobenzene	ug/kg		433.0000 R
S 2-Chlorophenol	ug/kg		433.0000 R
S 3,4-Dichloroaniline	ug/kg		1082.0000 R
S 2,4,5-Trichlorophenol	ug/kg		1082.0000 R
S 2-Methylnaphthalene	ug/kg		433.0000 R
S Nitrobenzene	ug/kg		433.0000 R
V 1,2-Dichloroethane	UG/KG	370.0000 J	
V Toluene	UG/KG	670.0000 J	2.0000 J
V Acetone	UG/KG		27.0000
V Methylene chloride	UG/KG	1300.0000	
V 2-Butanone	UG/KG	2600.0000	9.0000
		60.0000	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED5SB11	CED5SB12	CED5SB21
LAB SAMPLE ID--->	Q30911406A	Q30911405A	Q30910201A
RECEIPT DATE---->	09/10/93	09/10/93	09/09/93

PARAMETER	UNITS				
M Lead	MG/KG	8.4000	10.4000	9.4000	J
M Arsenic	MG/KG	7.4000 J	9.1000 J	7.6000 R	
M Barium	MG/KG	129.0000 J	147.0000 J	168.0000	
M Cadmium	MG/KG	0.3800 UJ	0.3800 UJ	.	
M Chromium	MG/KG	9.6000 J	11.2000 J	11.7000	
P Endosulfan II	ug/Kg	.	.	12.0000	
S 2,4-Dinitrophenol	UG/KG	.	.	23000.0000 R	
S 4,6-Dinitro-2-Methylphenol	UG/KG	.	.	200.0000 J	
S Propanil	ug/Kg	.	68.0000 J	.	
S Dinoseb	ug/Kg	.	940.0000 J	.	
S 3,4-Dichloroaniline	ug/Kg	.	1200.0000	.	
S Dinoseb	UG/KG	.	.	15000.0000 R	
V Ethylbenzene	UG/KG	.	.	3.0000 J	
V 4-Methyl-2-Pentanone	UG/KG	.	.	35.0000 J	
V Toluene	UG/KG	.	.	210.0000	
V Total Xylenes	UG/KG	.	20.0000	31.0000	
V Acetone	UG/KG	.	.	21000.0000 R	
Methylene chloride	UG/KG	.	140.0000	8.0000	
2-Butanone	UG/KG	.	.	22000.0000 R	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED5SB21DIL	CED5SB22	CED5SB22DIL
LAB SAMPLE ID--->	Q30910201A	Q30910202A	Q30910202A
RECEIPT DATE---->	09/09/93	09/09/93	09/09/93

PARAMETER	UNITS				
M Lead	MG/KG	.	8.3000	J	.
M Arsenic	MG/KG	.	7.9000	R	.
M Barium	MG/KG	.	134.0000	.	.
M Chromium	MG/KG	.	10.4000	.	.
P Alpha BHC	ug/Kg	.	6.8000	.	.
P Endosulfan II	ug/Kg	.	5.9000	.	.
P Gamma BHC	ug/Kg	.	6.2000	.	.
S 2,4-Dinitrophenol	UG/KG	.	49000.0000	R	49000.0000 J
S Dinoseb	UG/KG	170000.000	J	69000.0000	R 57000.0000 J
V Toluene	UG/KG	.	300.0000	J	.
V Acetone	UG/KG	6800.0000	J	3900.0000	3200.0000 J
V 2-Butanone	UG/KG	21000.0000	J	53000.0000	R 44000.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED5SB31	CED5SB32	CED5SB32DL
LAB SAMPLE ID-->	Q31000505A	Q31000506A	Q31000506A
RECEIPT DATE--->	10/01/93	10/01/93	10/01/93

PARAMETER	UNITS	SAMPLE ID	LAB SAMPLE ID	RECEIPT DATE	UNITS	SAMPLE ID	LAB SAMPLE ID	RECEIPT DATE
M Lead	MG/KG	9.5000	J	10.0000	J	.	.	.
M Silver	MG/KG	0.3800	UJ	0.3900	UJ	.	.	.
M Arsenic	MG/KG	8.5000		9.7000		.	.	.
M Barium	MG/KG	126.0000		141.0000		.	.	.
M Cadmium	MG/KG	.		0.4000		.	.	.
M Chromium	MG/KG	9.1000		10.2000		.	.	.
M Selenium	MG/KG	0.6300	UJ	0.6500	UJ	.	.	.
V 1,2-Dichloroethane	UG/KG	.		4.0000	J	.	.	.
V 4-Methyl-2-Pentanone	UG/KG	1.0000	J	170.0000		.	.	.
V Toluene	UG/KG	.		6.0000	J	.	.	.
V Total Xylenes	UG/KG	.		6.0000	J	.	.	.
V Acetone	UG/KG	.		8600.0000	R	21000.0000	J	.
V Chloroform	UG/KG	.		4.0000	J			

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBA1	CED6SBA2	CED6SBC1
LAB SAMPLE ID-->	Q30936801A	Q30936705A	Q31000401A
RECEIPT DATE-->	09/29/93	09/29/93	10/01/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	13.8000	J	13.1000	9.2000	J
M Silver	MG/KG	0.3600	UJ	.	0.3600	UJ
M Arsenic	MG/KG	7.4000		10.3000	6.3000	
M Barium	MG/KG	251.0000		398.0000	93.2000	
M Chromium	MG/KG	14.5000		9.5000	J	11.0000
M Selenium	MG/KG	0.5900	UJ	.	0.6000	UJ
P Aldrin	ug/Kg	4.3000		.	.	
P Alpha BHC	ug/Kg	.		.	2.7000	
P Beta BHC	ug/Kg	7.0000		.	.	
P 4,4'-DDT	ug/Kg	58.0000		.	.	
P Dieldrin	ug/Kg	30.0000		5.5000	J	.
P 4,4'-DDE	ug/Kg	26.0000		.	.	
S 4-Nitrophenol	ug/kg	.		8100.0000	.	
S Propanil	ug/Kg	.		.	700.0000	J
S Dinoseb	ug/Kg	9500.0000	J	430.0000	14000.0000	J
S 3,4-Dichloroaniline	ug/Kg	.		.	230.0000	J
V Acetone	UG/KG	53.0000	J	.	5.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBC2	CED6SBD1	CED6SBD2
LAB SAMPLE ID--->	Q31000402A	Q31000403A	Q31000404A
RECEIPT DATE---->	10/01/93	10/01/93	10/01/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	11.0000	J	10.9000	J	8.7000	J
M Silver	MG/KG	0.3600	UJ	0.3700	UJ	0.3800	UJ
M Arsenic	MG/KG	9.6000		6.8000		6.8000	
M Barium	MG/KG	187.0000		123.0000		144.0000	
M Cadmium	MG/KG	0.2600		.		.	
M Chromium	MG/KG	10.1000		13.7000		8.6000	
M Selenium	MG/KG	0.5900	UJ	0.6200	UJ	0.6300	UJ
S Phenol	ug/Kg	.		.		6900.0000	J
S bis-(2-Ethylhexyl)phthalate	ug/Kg	90.0000	J	.		.	
S Propanil	ug/Kg	.		.		910.0000	
S Isophorone	ug/Kg	.		.		4500.0000	
S Dinoseb	ug/Kg	.		6100.0000	J	.	
S 3,4-Dichloroaniline	ug/Kg	.		.		610.0000	J
V 1,2-Dichloroethane	UG/KG	.		.		9.0000	J
V 4-Methyl-2-Pentanone	UG/KG	2.0000	J	.		500.0000	
V Acetone	UG/KG	.		8.0000	J	860.0000	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBE1	CED6SBE1DIL	CED6SBE2
LAB SAMPLE ID--->	Q30936803A	Q30936803	Q30936802A
RECEIPT DATE---->	09/29/93	09/29/93	09/29/93

PARAMETER	UNITS			
M Lead	MG/KG	10.1000 J	.	10.9000 J
M Silver	MG/KG	0.3600 UJ	.	0.3500 UJ
M Arsenic	MG/KG	8.9000	.	8.0000
M Barium	MG/KG	126.0000	.	134.0000
M Chromium	MG/KG	9.9000	.	12.3000
M Selenium	MG/KG	0.6000 UJ	.	0.5900 UJ
P Aldrin	ug/Kg	.	18.0000	.
P 4,4'-DDT	ug/Kg	.	21.0000	.
P Dieldrin	ug/Kg	.	8.6000	.
P Methoxychlor	ug/Kg	.	510.0000 J	.
P 4,4'-DDD	ug/Kg	.	28.0000	.
P 4,4'-DDE	ug/Kg	.	8.6000	.
S Propanil	ug/Kg	.	.	103.0000 J
S Dinoseb	ug/Kg	.	.	10000.0000 J
S 3,4-Dichloroaniline	ug/Kg	84.0000 J	.	.
V Acetone	UG/KG	67.0000 J	.	31.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBE2DIL	CED6SBF1	CED6SBF2
LAB SAMPLE ID--->	Q30936802	Q30936704A	Q30936703A
RECEIPT DATE--->	09/29/93	09/29/93	09/29/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	12.0000	10.8000
M Arsenic	MG/KG	.	6.5000	6.1000
M Barium	MG/KG	.	164.0000	152.0000
M Chromium	MG/KG	.	9.3000 J	13.4000 J
P Methoxychlor	ug/Kg	3400.0000 J	.	.
P 4,4'-DDE	ug/Kg	.	9.8000 J	.
S 4-Nitrophenol	ug/kg	.	8100.0000 J	.
S Propanil	ug/kg	.	1300.0000 J	18000.0000
S Dinoseb	ug/kg	.	16000.0000	21000.0000
S 3,4-Dichloroaniline	ug/kg	.	.	4900.0000
V Ethylbenzene	UG/KG	.	2.0000 J	6.0000 J
V 4-Methyl-2-Pentanone	UG/KG	.	.	1.0000 J
V Toluene	UG/KG	.	2.0000 J	10.0000
V Total Xylenes	UG/KG	.	8.0000	43.0000
V 2-Hexanone	UG/KG	.	.	3.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBG1	CED6SBG1DIL	CED6SBG1DUP
LAB SAMPLE ID--->	Q31000405A	Q31000405	Q31000406A
RECEIPT DATE--->	10/01/93	10/01/93	10/01/93

PARAMETER

UNITS

M Lead	MG/KG	10.4000	J	.	10.6000	J
M Silver	MG/KG	0.3500	UJ	.	0.3600	UJ
M Arsenic	MG/KG	6.5000	.	.	7.1000	.
M Barium	MG/KG	101.0000	.	.	113.0000	.
M Chromium	MG/KG	10.7000	.	.	10.8000	.
M Selenium	MG/KG	0.5900	UJ	.	0.5900	UJ
P Methoxychlor	ug/Kg	.	.	930.0000	J	.
S Dinoseb	ug/Kg	45000.0000	J	.	.	.
S 3,4-Dichloroaniline	ug/Kg	1600.0000	.	.	.	.
V Acetone	UG/KG	890.0000	.	.	1800.0000	R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBG1DUPDIL	CED6SBG1DUPEDU	CED6SBG2
LAB SAMPLE ID--->	Q31000406	F310230-09A	Q31000407A
RECEIPT DATE---->	10/01/93	10/01/93	10/01/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	.	11.5000	J
M Silver	MG/KG	.	.	0.3600	UJ
M Arsenic	MG/KG	.	.	7.1000	
M Barium	MG/KG	.	.	103.0000	
M Chromium	MG/KG	.	.	12.6000	
M Selenium	MG/KG	.	.	0.6000	UJ
P Alpha BHC	ug/Kg	.	.	3.6000	
P Methoxychlor	ug/Kg	2600.0000	J		
S Dinoseb	ug/Kg	.	23000.0000	J	5300.0000 J
S 3,4-Dichloroaniline	ug/Kg	.	930.0000		
V Acetone	UG/KG	1800.0000	J	.	15.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBH1	CED6SBH1DIL	CED6SBH2
LAB SAMPLE ID--->	Q31000501A	Q31000501	Q31000502A
RECEIPT DATE--->	10/01/93	10/01/93	10/01/93
PARAMETER	UNITS		

M Lead	MG/KG	8.8000	J	.	10.6000	J
M Silver	MG/KG	0.3500	UJ	.	0.3600	UJ
M Arsenic	MG/KG	5.4000		.	6.2000	
M Barium	MG/KG	103.0000		.	86.4000	
M Chromium	MG/KG	8.9000		.	14.4000	
M Selenium	MG/KG	0.5800	UJ	.	0.6100	UJ
P 4,4'-DDT	ug/Kg	.		200.0000	.	
P 4,4'-DDE	ug/Kg	.		48.0000	.	
S Dinoseb	ug/Kg	7700.0000	J	.	10200.0000	J
V Acetone	UG/KG	37.0000	J	.	.	

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBH2DIL	CED6SBJ2	CED6SBJ3
LAB SAMPLE ID--->	Q31000502	Q30936702A	Q30936701A
RECEIPT DATE--->	10/01/93	09/29/93	09/29/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	12.9000	11.9000
M Arsenic	MG/KG	.	7.9000	7.4000
M Barium	MG/KG	.	127.0000	150.0000
M Chromium	MG/KG	.	12.1000 J	10.1000 J
P Alpha BHC	ug/Kg	.	2.9000	.
P 4,4'-DDT	ug/Kg	190.0000	.	.
P 4,4'-DDD	ug/Kg	.	16.0000 J	.
P 4,4'-DDE	ug/Kg	46.0000	4.4000 J	.
S Dinoseb	ug/kg	.	1000.0000 J	.
V 1,2-Dichloroethane	UG/KG	.	.	9.0000

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBK1	CED6SBK1DIL	CED6SBK2
LAB SAMPLE ID--->	Q31000408A	Q31000408	Q31000409A
RECEIPT DATE--->	10/01/93	10/01/93	10/01/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	11.7000	J	.	12.9000	J
M Silver	MG/KG	0.3600	UJ	.	0.3800	UJ
M Arsenic	MG/KG	9.0000	.	.	8.5000	.
M Barium	MG/KG	115.0000	.	.	108.0000	.
M Cadmium	MG/KG	0.2900	.	.	.	.
M Chromium	MG/KG	11.3000	.	.	11.9000	.
M Selenium	MG/KG	0.6100	UJ	.	0.6400	UJ
P Methoxychlor	ug/Kg	.		67000.0000	J	.
S Dinoseb	ug/Kg	4100.0000	J	.	1060.0000	J
V Acetone	UG/KG	180.0000	.	.	25.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED6SBK2DIL	CED6SBL1	CED6SBL2
LAB SAMPLE ID--->	Q31000409	Q31000503A	Q31000504A
RECEIPT DATE--->	10/01/93	10/01/93	10/01/93

**PARAMETER**

		UNITS				
M Lead	MG/KG	.	7.4000	J	11.4000	J
M Silver	MG/KG	.	0.3400	UJ	0.3800	UJ
M Arsenic	MG/KG	.	5.8000		6.3000	
M Barium	MG/KG	.	111.0000		78.9000	
M Chromium	MG/KG	.	10.3000		14.7000	
M Selenium	MG/KG	.	0.5700	UJ	0.6300	UJ
P Aldrin	ug/Kg	240.0000	.	.	.	.
P 4,4'-DDT	ug/Kg	.	.	.	36.0000	
P 4,4'-DDD	ug/Kg	.	.	.	28.0000	
P 4,4'-DDE	ug/Kg	.	.	.	23.0000	
V Acetone	UG/KG	.	27.0000	J	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	CED9SB101	CED9SB102	CED9SB11
	LAB SAMPLE ID--->	F310064-29A	F310064-30A	F310064-07A
	RECEIPT DATE---->	09/11/93	09/11/93	09/11/93
	UNITS			
S	4-Nitroaniline	ug/Kg	4100000.00	UJ
S	4-Nitrophenol	ug/Kg	4100000.00	UJ
S	Benzyl Alcohol	ug/Kg	810000.000	UJ
S	4-Bromophenylphenylether	ug/Kg	810000.000	UJ
S	2,4-Dimethylphenol	ug/Kg	810000.000	UJ
S	4-Methylphenol	ug/Kg	810000.000	UJ
S	1,4-Dichlorobenzene	ug/Kg	810000.000	UJ
S	4-Chloroaniline	ug/Kg	810000.000	UJ
S	bis(2-Chloroisopropyl)ether	ug/Kg	810000.000	UJ
S	Phenol	ug/Kg	810000.000	UJ
S	bis(2-Chloroethyl)ether	ug/Kg	810000.000	UJ
S	bis(2-Chloroethoxy)methane	ug/Kg	810000.000	UJ
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	810000.000	UJ
S	Di-n-octyl phthalate	ug/Kg	810000.000	UJ
S	Hexachlorobenzene	ug/Kg	810000.000	UJ
S	Anthracene	ug/Kg	810000.000	UJ
S	1,2,4-Trichlorobenzene	ug/Kg	810000.000	UJ
S	2,4-Dichlorophenol	ug/Kg	810000.000	UJ
S	2,4-Dinitrotoluene	ug/Kg	810000.000	UJ
S	Pyrene	ug/Kg	810000.000	UJ
S	Dimethyl Phthalate	ug/Kg	810000.000	UJ
S	Dibenzofuran	ug/Kg	810000.000	UJ
S	Benzo(g,h,i) perylene	ug/Kg	810000.000	UJ
S	Indeno(1,2,3-cd)pyrene	ug/Kg	810000.000	UJ
S	Benzo(b)fluoranthene	ug/Kg	810000.000	UJ
S	Fluoranthene	ug/Kg	810000.000	UJ
S	Benzo(k)fluoranthene	ug/Kg	810000.000	UJ
S	Acenaphthylene	ug/Kg	810000.000	UJ
S	Chrysene	ug/Kg	810000.000	UJ
S	Benzo(a)pyrene	ug/Kg	810000.000	UJ
S	2,4-Dinitrophenol	ug/Kg	4100000.00	UJ
S	Dibenz(a,h)anthracene	ug/Kg	810000.000	UJ
S	4,6-Dinitro-2-methylphenol	ug/Kg	4100000.00	UJ
S	1,3-Dichlorobenzene	ug/Kg	810000.000	UJ
S	Benzo(a)anthracene	ug/Kg	810000.000	UJ
S	4-Chloro-3-methylphenol	ug/Kg	810000.000	UJ
S	2,6-Dinitrotoluene	ug/Kg	810000.000	UJ
S	N-nitroso-di-n-propylamine	ug/Kg	810000.000	UJ
S	Benzoic Acid	ug/Kg	4100000.00	UJ
S	Hexachloroethane	ug/Kg	810000.000	UJ
S	4Chlorophenylphenyl ether	ug/Kg	810000.000	UJ
S	Propanil	ug/Kg	810000.000	UJ
S	Hexachlorocyclopentadiene	ug/Kg	810000.000	UJ
S	Isophorone	ug/Kg	810000.000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB101	CED9SB102
LAB SAMPLE ID--->	F310064-29A	F310064-30A
RECEIPT DATE---->	09/11/93	

PARAMETER	UNITS					
S Acenaphthene	ug/Kg	810000.000	UJ	.	.	.
S Diethyl Phthalate	ug/Kg	810000.000	UJ	.	.	.
S Di-n-butyl phthalate	ug/Kg	810000.000	UJ	.	.	.
S Phenanthrene	ug/Kg	810000.000	UJ	.	.	.
S Butylbenzylphthalate	ug/Kg	810000.000	UJ	.	.	.
S N-Nitrosodiphenylamine (1)	ug/Kg	810000.000	UJ	.	.	.
S Fluorene	ug/Kg	810000.000	UJ	.	.	.
S Hexachlorobutadiene	ug/Kg	810000.000	UJ	.	.	.
S Pentachlorophenol	ug/Kg	4100000.00	UJ	.	.	.
S 2,4,6-Trichlorophenol	ug/Kg	810000.000	UJ	.	.	.
S 2-Nitroaniline	ug/Kg	4100000.00	UJ	.	.	.
S 2-Nitrophenol	ug/Kg	810000.000	UJ	.	.	.
S Dinoseb	ug/Kg	650000.000	J	40000.0000	J	38000.0000
S Naphthalene	ug/Kg	810000.000	UJ	.	.	.
S 2-Methylnaphthalene	ug/Kg	810000.000	UJ	.	.	.
S 2-Chloronaphthalene	ug/Kg	810000.000	UJ	.	.	.
S 3,3'-Dichlorobenzidine	ug/Kg	1600000.00	UJ	.	.	.
S 2-Methylphenol	ug/Kg	810000.000	UJ	.	.	.
S 1,2-Dichlorobenzene	ug/Kg	810000.000	UJ	.	.	.
S 2-Chlorophenol	ug/Kg	810000.000	UJ	.	.	.
S 3,4-Dichloroaniline	ug/Kg	810000.000	UJ	.	.	.
S 2,4,5-Trichlorophenol	ug/Kg	4100000.00	UJ	.	.	.
S Nitrobenzene	ug/Kg	810000.000	UJ	.	.	.
S 3-Nitroaniline	ug/Kg	4100000.00	UJ	.	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB111	CED9SB112
LAB SAMPLE ID--->	F310064-31A	F310064-32A
RECEIPT DATE--->	09/11/93	09/11/93

PARAMETER

UNITS

S 4-Nitroaniline	ug/Kg	4100000.00	UJ	.
S 4-Nitrophenol	ug/Kg	4100000.00	UJ	.
S Benzyl Alcohol	ug/Kg	810000.000	UJ	.
S 4-Bromophenylphenylether	ug/Kg	810000.000	UJ	.
S 2,4-Dimethylphenol	ug/Kg	810000.000	UJ	.
S 4-Methylphenol	ug/Kg	810000.000	UJ	.
S 1,4-Dichlorobenzene	ug/Kg	810000.000	UJ	.
S 4-Chloroaniline	ug/Kg	810000.000	UJ	.
S bis(2-Chloroisopropyl)ether	ug/Kg	810000.000	UJ	.
S Phenol	ug/Kg	810000.000	UJ	.
S bis(2-Chloroethyl)ether	ug/Kg	810000.000	UJ	.
S bis(2-Chloroethoxy)methane	ug/Kg	810000.000	UJ	.
S bis-(2-Ethylhexyl)phthalate	ug/Kg	810000.000	UJ	.
S Di-n-octyl phthalate	ug/Kg	810000.000	UJ	.
S Hexachlorobenzene	ug/Kg	810000.000	UJ	.
S Anthracene	ug/Kg	810000.000	UJ	.
S 1,2,4-Trichlorobenzene	ug/Kg	810000.000	UJ	.
S 2,4-Dichlorophenol	ug/Kg	810000.000	UJ	.
S 2,4-Dinitrotoluene	ug/Kg	810000.000	UJ	.
S Pyrene	ug/Kg	810000.000	UJ	.
S Dimethyl Phthalate	ug/Kg	810000.000	UJ	.
S Dibenzofuran	ug/Kg	810000.000	UJ	.
S Benzo(g,h,i) perylene	ug/Kg	810000.000	UJ	.
S Indeno(1,2,3-cd)pyrene	ug/Kg	810000.000	UJ	.
S Benzo(b)fluoranthene	ug/Kg	810000.000	UJ	.
S Fluoranthene	ug/Kg	810000.000	UJ	.
S Benzo(k)fluoranthene	ug/Kg	810000.000	UJ	.
S Acenaphthylene	ug/Kg	810000.000	UJ	.
S Chrysene	ug/Kg	810000.000	UJ	.
S Benzo(a)pyrene	ug/Kg	810000.000	UJ	.
S 2,4-Dinitrophenol	ug/Kg	4100000.00	UJ	.
S Dibenz(a,h)anthracene	ug/Kg	810000.000	UJ	.
S 4,6-Dinitro-2-methylphenol	ug/Kg	4100000.00	UJ	.
S 1,3-Dichlorobenzene	ug/Kg	810000.000	UJ	.
S Benzo(a)anthracene	ug/Kg	810000.000	UJ	.
S 4-Chloro-3-methylphenol	ug/Kg	810000.000	UJ	.
S 2,6-Dinitrotoluene	ug/Kg	810000.000	UJ	.
S N-nitroso-di-n-propylamine	ug/Kg	810000.000	UJ	.
S Benzoic Acid	ug/Kg	4100000.00	UJ	.
S Hexachloroethane	ug/Kg	810000.000	UJ	.
S 4Chlorophenylphenyl ether	ug/Kg	810000.000	UJ	.
S Propanil	ug/Kg	810000.000	UJ	41000.0000 J
S Hexachlorocyclopentadiene	ug/Kg	810000.000	UJ	310.0000 J
Isophorone	ug/Kg	810000.000	UJ	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB111	CED9SB112
LAB SAMPLE ID--->	F310064-31A	F310064-32A
RECEIPT DATE---->	09/11/93	.

PARAMETER	UNITS			
S Acenaphthene	ug/Kg	810000.000	UJ	.
S Diethyl Phthalate	ug/Kg	810000.000	UJ	.
S Di-n-butyl phthalate	ug/Kg	810000.000	UJ	.
S Phenanthrene	ug/Kg	810000.000	UJ	.
S Butylbenzylphthalate	ug/Kg	810000.000	UJ	.
S N-Nitrosodiphenylamine (1)	ug/Kg	810000.000	UJ	.
S Fluorene	ug/Kg	810000.000	UJ	.
S Hexachlorobutadiene	ug/Kg	810000.000	UJ	.
S Pentachlorophenol	ug/Kg	4100000.00	UJ	.
S 2,4,6-Trichlorophenol	ug/Kg	810000.000	UJ	.
S 2-Nitroaniline	ug/Kg	4100000.00	UJ	.
S 2-Nitrophenol	ug/Kg	810000.000	UJ	.
S Dinoseb	ug/Kg	160000.000	J	170000.000 J
S Naphthalene	ug/Kg	810000.000	UJ	.
S 2-Methylnaphthalene	ug/Kg	810000.000	UJ	.
S 2-Chloronaphthalene	ug/Kg	810000.000	UJ	.
S 3,3'-Dichlorobenzidine	ug/Kg	1600000.00	UJ	.
S 2-Methylphenol	ug/Kg	810000.000	UJ	.
S 1,2-Dichlorobenzene	ug/Kg	810000.000	UJ	.
S 2-Chlorophenol	ug/Kg	810000.000	UJ	.
S 3,4-Dichloroaniline	ug/Kg	810000.000	UJ	.
S 2,4,5-Trichlorophenol	ug/Kg	4100000.00	UJ	.
S Nitrobenzene	ug/Kg	810000.000	UJ	.
S 3-Nitroaniline	ug/Kg	4100000.00	UJ	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB121	CED9SB122
LAB SAMPLE ID---->	F310064-33A	F310064-34A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER

UNITS

S	4-Nitroaniline	ug/Kg	42000000.0	UJ	420000.000	UJ	420000.000	UJ
S	4-Nitrophenol	ug/Kg	42000000.0	UJ	420000.000	UJ	420000.000	UJ
S	Benzyl Alcohol	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	4-Bromophenylphenylether	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	2,4-Dimethylphenol	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	4-Methylphenol	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	1,4-Dichlorobenzene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	4-Chloroaniline	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	bis(2-Chloroisopropyl)ether	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Phenol	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	bis(2-Chloroethyl)ether	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	bis(2-Chloroethoxy)methane	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Di-n-octyl phthalate	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Hexachlorobenzene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Anthracene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	1,2,4-Trichlorobenzene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	2,4-Dichlorophenol	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	2,4-Dinitrotoluene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Pyrene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Dimethyl Phthalate	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Dibenzofuran	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Benzo(g,h,i) perylene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Indeno(1,2,3-cd)pyrene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Benzo(b)fluoranthene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Fluoranthene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Benzo(k)fluoranthene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Acenaphthylene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Chrysene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Benzo(a)pyrene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	2,4-Dinitrophenol	ug/Kg	42000000.0	UJ	420000.000	UJ	420000.000	UJ
S	Dibenz(a,h)anthracene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	4,6-Dinitro-2-methylphenol	ug/Kg	42000000.0	UJ	420000.000	UJ	420000.000	UJ
S	1,3-Dichlorobenzene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Benzo(a)anthracene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	4-Chloro-3-methylphenol	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	2,6-Dinitrotoluene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	N-nitroso-di-n-propylamine	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Benzoic Acid	ug/Kg	42000000.0	UJ	420000.000	UJ	420000.000	UJ
S	Hexachloroethane	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	4Chlorophenylphenyl ether	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Propanil	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Hexachlorocyclopentadiene	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ
S	Isophorone	ug/Kg	8400000.00	UJ	83000.0000	UJ	83000.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB121	CED9SB122
LAB SAMPLE ID--->	F310064-33A	F310064-34A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER	UNITS	CED9SB121	CED9SB122	CED9SB131
S Acenaphthene	ug/Kg	8400000.00	UJ	83000.0000
S Diethyl Phthalate	ug/Kg	8400000.00	UJ	83000.0000
S Di-n-butyl phthalate	ug/Kg	8400000.00	UJ	83000.0000
S Phenanthrene	ug/Kg	8400000.00	UJ	83000.0000
S Butylbenzylphthalate	ug/Kg	8400000.00	UJ	83000.0000
S N-Nitrosodiphenylamine (1)	ug/Kg	8400000.00	UJ	83000.0000
S Fluorene	ug/Kg	8400000.00	UJ	83000.0000
S Hexachlorobutadiene	ug/Kg	8400000.00	UJ	83000.0000
S Pentachlorophenol	ug/Kg	42000000.0	UJ	420000.000
S 2,4,6-Trichlorophenol	ug/Kg	8400000.00	UJ	83000.0000
S 2-Nitroaniline	ug/Kg	42000000.0	UJ	420000.000
S 2-Nitrophenol	ug/Kg	8400000.00	UJ	83000.0000
S Dinoseb	ug/Kg	13000000.0	J	320000.000
S Naphthalene	ug/Kg	8400000.00	UJ	83000.0000
S 2-Methylnaphthalene	ug/Kg	8400000.00	UJ	83000.0000
S 2-Chloronaphthalene	ug/Kg	8400000.00	UJ	83000.0000
S 3,3'-Dichlorobenzidine	ug/Kg	17000000.0	UJ	170000.000
S 2-Methylphenol	ug/Kg	8400000.00	UJ	83000.0000
1,2-Dichlorobenzene	ug/Kg	8400000.00	UJ	83000.0000
2-Chlorophenol	ug/Kg	8400000.00	UJ	83000.0000
S 3,4-Dichloroaniline	ug/Kg	8400000.00	UJ	83000.0000
S 2,4,5-Trichlorophenol	ug/Kg	42000000.0	UJ	420000.000
S Nitrobenzene	ug/Kg	8400000.00	UJ	83000.0000
S 3-Nitroaniline	ug/Kg	42000000.0	UJ	420000.000

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	CED9SB132	CED9SB141	CED9SB142
	LAB SAMPLE ID--->	F310064-36A	F310064-37A	F310064-38A
	RECEIPT DATE--->	09/11/93	09/11/93	09/11/93
	UNITS			
S Propanil	ug/Kg	860.0000 J	3300.0000 J	
S Dinoseb	ug/Kg	34000.0000 J	9100.0000 J	35000.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB151	CED9SB152	CED9SB161
LAB SAMPLE ID--->	Q30915311A	Q30915312A	F310065-01A
RECEIPT DATE---->	09/11/93	09/11/93	09/11/93

**PARAMETER**

**UNITS**

M	Lead	MG/KG	8.1000	10.3000	.
M	Arsenic	MG/KG	3.4000	7.1000	.
M	Barium	MG/KG	94.1000	133.0000	.
M	Chromium	MG/KG	11.3000	J	10.8000 J
P	4,4'-DDT	ug/Kg	15.0000	.	.
P	4,4'-DDD	ug/Kg	24.0000	.	.
P	4,4'-DDE	ug/Kg	12.0000	.	.
S	4-Nitroaniline	ug/Kg	.	.	430000000 UJ
S	4-Nitrophenol	ug/Kg	.	.	430000000 UJ
S	Benzyl Alcohol	ug/Kg	.	.	85000000.0 UJ
S	4-Bromophenylphenylether	ug/Kg	.	.	85000000.0 UJ
S	2,4-Dimethylphenol	ug/Kg	.	.	85000000.0 UJ
S	4-Methylphenol	ug/Kg	.	.	85000000.0 UJ
S	1,4-Dichlorobenzene	ug/Kg	.	.	85000000.0 UJ
S	4-Chloroaniline	ug/Kg	.	.	85000000.0 UJ
S	bis(2-Chloroisopropyl)ether	ug/Kg	.	.	85000000.0 UJ
S	Phenol	ug/Kg	.	.	85000000.0 UJ
S	bis(2-Chloroethyl)ether	ug/Kg	.	.	85000000.0 UJ
S	bis(2-Chloroethoxy)methane	ug/Kg	.	.	85000000.0 UJ
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	.	.	85000000.0 UJ
S	Di-n-octyl phthalate	ug/Kg	.	.	85000000.0 UJ
S	Hexachlorobenzene	ug/Kg	.	.	85000000.0 UJ
S	Anthracene	ug/Kg	.	.	85000000.0 UJ
S	1,2,4-Trichlorobenzene	ug/Kg	.	.	85000000.0 UJ
S	2,4-Dichlorophenol	ug/Kg	.	.	85000000.0 UJ
S	2,4-Dinitrotoluene	ug/Kg	.	.	85000000.0 UJ
S	Pyrene	ug/Kg	.	.	85000000.0 UJ
S	Dimethyl Phthalate	ug/Kg	.	.	85000000.0 UJ
S	Dibenzofuran	ug/Kg	.	.	85000000.0 UJ
S	Benzo(g,h,i) perylene	ug/Kg	.	.	85000000.0 UJ
S	Indeno(1,2,3-cd)pyrene	ug/Kg	.	.	85000000.0 UJ
S	Benzo(b)fluoranthene	ug/Kg	.	.	85000000.0 UJ
S	Fluoranthene	ug/Kg	.	.	85000000.0 UJ
S	Benzo(k)fluoranthene	ug/Kg	.	.	85000000.0 UJ
S	Chrysene	ug/Kg	.	.	85000000.0 UJ
S	Nitrobenzene-d5	ug/Kg	.	.	85000000.0 UJ
S	Benzo(a)pyrene	ug/Kg	.	.	85000000.0 UJ
S	2,4-Dinitrophenole	ug/Kg	.	.	430000000 UJ
S	Dibenz(a,h)anthracene	ug/Kg	.	.	85000000.0 UJ
S	4,6-Dinitro-2-methylphenol	ug/Kg	.	.	430000000 UJ
S	1,3-Dichlorobenzene	ug/Kg	.	.	85000000.0 UJ
S	Benzo(a)anthracene	ug/Kg	.	.	85000000.0 UJ
S	4-Chloro-3-methylphenol	ug/Kg	.	.	85000000.0 UJ
S	2,6-Dinitrotoluene	ug/Kg	.	.	85000000.0 UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB151	CED9SB152
LAB SAMPLE ID--->	Q30915311A	Q30915312A
RECEIPT DATE--->		

PARAMETER	UNITS			UNITS	UNITS
S N-nitroso-di-n-propylamine	ug/Kg	.	.	85000000.0	UJ
S Benzoic Acid	ug/Kg	.	.	430000000	UJ
S Hexachloroethane	ug/Kg	.	.	85000000.0	UJ
S 4Chlorophenylphenyl ether	ug/Kg	.	.	85000000.0	UJ
S Propanil	ug/Kg	.	8400.0000 J	85000000.0	UJ
S Hexachlorocyclopentadiene	ug/Kg	.	.	85000000.0	UJ
S Isophorone	ug/Kg	.	.	85000000.0	UJ
S Acenaphthene	ug/Kg	.	.	85000000.0	UJ
S Diethyl Phthalate	ug/Kg	.	.	85000000.0	UJ
S Di-n-butyl phthalate	ug/Kg	.	.	85000000.0	UJ
S Phenanthrene	ug/Kg	.	.	85000000.0	UJ
S Butylbenzylphthalate	ug/Kg	.	.	85000000.0	UJ
S N-Nitrosodiphenylamine (1)	ug/Kg	.	.	85000000.0	UJ
S Fluorene	ug/Kg	.	.	85000000.0	UJ
S Hexachlorobutadiene	ug/Kg	.	.	85000000.0	UJ
S Pentachlorophenol	ug/Kg	.	.	430000000	UJ
S 2,4,6-Trichlorophenol	ug/Kg	.	.	85000000.0	UJ
S 2-Nitroaniline	ug/Kg	.	.	430000000	UJ
2-Nitrophenol	ug/Kg	.	.	85000000.0	UJ
Dinoseb	ug/Kg	8600.0000 J	22000.0000 J	150000000	J
S Naphthalene	ug/Kg	.	.	85000000.0	UJ
S 2-Methylnaphthalene	ug/Kg	.	.	85000000.0	UJ
S 2-Chloronaphthalene	ug/Kg	.	.	85000000.0	UJ
S 3,3'-Dichlorobenzidine	ug/Kg	.	.	170000000	UJ
S 2-Methylphenol	ug/Kg	.	.	85000000.0	UJ
S 1,2-Dichlorobenzene	ug/Kg	.	.	85000000.0	UJ
S 2-Chlorophenol	ug/Kg	.	.	85000000.0	UJ
S 3,4-Dichloroaniline	ug/Kg	150.0000 J	.	85000000.0	UJ
S 2,4,5-Trichlorophenol	ug/Kg	.	.	430000000	UJ
S Nitrobenzene	ug/Kg	.	.	85000000.0	UJ
S 3-Nitroaniline	ug/Kg	.	.	430000000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> CED9SB162                    CED9SB191                    CED9SB192  
LAB SAMPLE ID---> F310065-02A                    Q30927907                    Q30927908  
RECEIPT DATE----> 09/11/93                    09/23/93                    09/23/93

PARAMETER

UNITS

S Propanil	ug/kg	.	.	1300.0000	J
S Dinoseb	ug/kg	9200.0000	J	93000.0000	J
S 3,4-Dichloroaniline	ug/kg	.	.	16000.0000	J
				1300.0000	J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB22	CED9SB31	CED9SB31DIL
LAB SAMPLE ID--->	F310064-09A	Q30915004A	Q30915004
RECEIPT DATE--->	09/11/93	09/11/93	09/11/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	9.0000	.
M Arsenic	MG/KG	.	3.5000	J
M Barium	MG/KG	.	99.8000	J
M Cadmium	MG/KG	.	0.3800	UJ
M Chromium	MG/KG	.	14.7000	J
P Heptachlor	ug/Kg	.	.	150.0000
S 2,4-Dinitrophenol	ug/Kg	3400.0000	J	.
S Propanil	ug/Kg	150.0000	J	11000.0000
S Dinoseb	ug/Kg	1600.0000	J	140000.000
S 3,4-Dichloroaniline	ug/Kg	.	76000.0000	.
V 4-Methyl-2-Pentanone	UG/KG	.	12.0000	J
V Total Xylenes	UG/KG	.	4.0000	J
V Acetone	UG/KG	.	1000.0000	R
V 2-Butanone	UG/KG	.	22.0000	300.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB32	CED9SB32DIL	CED9SB41
LAB SAMPLE ID----->	Q30915005A	Q30915005A	F310064-12A
RECEIPT DATE----->	09/11/93	09/11/93	09/11/93

PARAMETER

UNITS

M	Lead	MG/KG	11.2000	.	.
M	Arsenic	MG/KG	7.3000	J	.
M	Barium	MG/KG	150.0000	J	.
M	Cadmium	MG/KG	0.3700	UJ	.
M	Chromium	MG/KG	13.4000	J	.
S	4-Nitroaniline	ug/Kg	.	.	80000000.0 UJ
S	4-Nitrophenol	ug/Kg	.	.	80000000.0 UJ
S	Benzyl Alcohol	ug/Kg	.	.	16000000.0 UJ
S	4-Bromophenylphenylether	ug/Kg	.	.	16000000.0 UJ
S	2,4-Dimethylphenol	ug/Kg	.	.	16000000.0 UJ
S	4-Methylphenol	ug/Kg	.	.	16000000.0 UJ
S	1,4 > hlorobenzene	ug/Kg	.	.	16000000.0 UJ
S	4-Chloroaniline	ug/Kg	.	.	16000000.0 UJ
S	bis(2-Chloroisopropyl)ether	ug/Kg	.	.	16000000.0 UJ
S	Phenol	ug/Kg	.	.	16000000.0 UJ
S	bis(2-Chloroethyl)ether	ug/Kg	.	.	16000000.0 UJ
S	bis(2-Chloroethoxy)methane	ug/Kg	.	.	16000000.0 UJ
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	.	.	16000000.0 UJ
S	Di-n-octyl phthalate	ug/Kg	.	.	16000000.0 UJ
S	Hexachlorobenzene	ug/Kg	.	.	16000000.0 UJ
S	Anthracene	ug/Kg	.	.	16000000.0 UJ
S	1,2,4-Trichlorobenzene	ug/Kg	.	.	16000000.0 UJ
S	2,4-Dichlorophenol	ug/Kg	.	.	16000000.0 UJ
S	2,4-Dinitrotoluene	ug/Kg	.	.	16000000.0 UJ
S	Pyrene	ug/Kg	.	.	16000000.0 UJ
S	Dimethyl Phthalate	ug/Kg	.	.	16000000.0 UJ
S	Dibenzofuran	ug/Kg	.	.	16000000.0 UJ
S	Benzo(g,h,i) perylene	ug/Kg	.	.	16000000.0 UJ
S	Indeno(1,2,3-cd)pyrene	ug/Kg	.	.	16000000.0 UJ
S	Benzo(b)fluoranthene	ug/Kg	.	.	16000000.0 UJ
S	Fluoranthene	ug/Kg	.	.	16000000.0 UJ
S	Benzo(k)fluoranthene	ug/Kg	.	.	16000000.0 UJ
S	Acenaphthylene	ug/Kg	.	.	16000000.0 UJ
S	Chrysene	ug/Kg	.	.	16000000.0 UJ
S	Benzo(a)pyrene	ug/Kg	.	.	16000000.0 UJ
S	2,4-Dinitrophenol	ug/Kg	.	.	80000000.0 UJ
S	Dibenz(a,h)anthracene	ug/Kg	.	.	16000000.0 UJ
S	4,6-Dinitro-2-methylphenol	ug/Kg	.	.	80000000.0 UJ
S	1,3-Dichlorobenzene	ug/Kg	.	.	16000000.0 UJ
S	Benzo(a)anthracene	ug/Kg	.	.	16000000.0 UJ
S	4-Chloro-3-methylphenol	ug/Kg	.	.	16000000.0 UJ
S	2,6-Dinitrotoluene	ug/Kg	.	.	16000000.0 UJ
S	N-nitroso-di-n-propylamine	ug/Kg	.	.	16000000.0 UJ
	Benzoic Acid	ug/Kg	.	.	80000000.0 UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB32	CED9SB32DIL
LAB SAMPLE ID--->	Q30915005A	Q30915005A
RECEIPT DATE--->		09/11/93

PARAMETER	UNITS			
S Hexachloroethane	ug/Kg	.	.	16000000.0 UJ
S 4Chlorophenylphenyl ether	ug/Kg	.	.	16000000.0 UJ
S Propanil	ug/Kg	.	.	4000000.00 J
S Hexachlorocyclopentadiene	ug/Kg	.	.	16000000.0 UJ
S Isophorone	ug/Kg	.	.	16000000.0 UJ
S Acenaphthene	ug/Kg	.	.	16000000.0 UJ
S Diethyl Phthalate	ug/Kg	.	.	16000000.0 UJ
S Di-n-butyl phthalate	ug/Kg	.	.	16000000.0 UJ
S Phenanthrene	ug/Kg	.	.	16000000.0 UJ
S Butylbenzylphthalate	ug/Kg	.	.	16000000.0 UJ
S N-Nitrosodiphenylamine (1)	ug/Kg	.	.	16000000.0 UJ
S Fluorene	ug/Kg	.	.	16000000.0 UJ
S Hexachlorobutadiene	ug/Kg	.	.	16000000.0 UJ
S Pentachlorophenol	ug/Kg	.	.	80000000.0 UJ
S 2,4,6-Trichlorophenol	ug/Kg	.	.	16000000.0 UJ
S 2-Nitroaniline	ug/Kg	.	.	80000000.0 UJ
S 2-Nitrophenol	ug/Kg	.	.	16000000.0 UJ
S Dinoseb	ug/Kg	.	.	24000000.0 J
Naphthalene	ug/Kg	.	.	16000000.0 UJ
2-Methylnaphthalene	ug/Kg	.	.	16000000.0 UJ
S 2-Chloronaphthalene	ug/Kg	.	.	16000000.0 UJ
S 3,3'-Dichlorobenzidine	ug/Kg	.	.	32000000.0 UJ
S 2-Methylphenol	ug/Kg	.	.	16000000.0 UJ
S 1,2-Dichlorobenzene	ug/Kg	.	.	16000000.0 UJ
S 2-Chlorophenol	ug/Kg	.	.	16000000.0 UJ
S 3,4-Dichloroaniline	ug/Kg	.	.	16000000.0 UJ
S 2,4,5-Trichlorophenol	ug/Kg	.	.	80000000.0 UJ
S Nitrobenzene	ug/Kg	.	.	16000000.0 UJ
S 3-Nitroaniline	ug/Kg	.	.	80000000.0 UJ
V 4-Methyl-2-Pentanone	UG/KG	19.0000 J	.	.
V Acetone	UG/KG	1200.0000 R	1200.0000 J	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB42	CED9SB43
LAB SAMPLE ID--->	F310064-13A	F310064-14A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER	UNITS	SAMPLE ID	LAB SAMPLE ID	RECEIPT DATE	SAMPLE ID	LAB SAMPLE ID	RECEIPT DATE
S 4-Nitroaniline	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S 4-Nitrophenol	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S Benzyl Alcohol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 4-Bromophenylphenylether	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2,4-Dimethylphenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 4-Methylphenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 1,4-Dichlorobenzene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 4-Chloroaniline	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S bis(2-Chloroisopropyl)ether	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Phenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S bis(2-Chloroethyl)ether	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S bis(2-Chloroethoxy)methane	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S bis-(2-Ethylhexyl)phthalate	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Di-n-octyl phthalate	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Hexachlorobenzene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Anthracene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 1,2,4-Trichlorobenzene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2,4-Dichlorophenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2,4-Dinitrotoluene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Pyrene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Dimethyl Phthalate	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Dibenzofuran	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Benzo(g,h,i) perylene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Indeno(1,2,3-cd)pyrene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Benzo(b)fluoranthene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Fluoranthene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Benzo(k)fluoranthene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Acenaphthylene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Chrysene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Benzo(a)pyrene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2,4-Dinitrophenol	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S Dibenz(a,h)anthracene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 4,6-Dinitro-2-methylphenol	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S 1,3-Dichlorobenzene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Benzo(a)anthracene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 4-Chloro-3-methylphenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2,6-Dinitrotoluene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S N-nitroso-di-n-propylamine	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Benzoic Acid	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S Hexachloroethane	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 4Chlorophenylphenyl ether	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Propanil	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Hexachlorocyclopentadiene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
Isophorone	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB42	CED9SB43
LAB SAMPLE ID--->	F310064-13A	F310064-14A
RECEIPT DATE--->	09/11/93	09/11/93

PARAMETER	UNITS						
S Acenaphthene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Diethyl Phthalate	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Di-n-butyl phthalate	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Phenanthrene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Butylbenzylphthalate	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S N-Nitrosodiphenylamine (1)	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Fluorene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Hexachlorobutadiene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Pentachlorophenol	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S 2,4,6-Trichlorophenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2-Nitroaniline	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S 2-Nitrophenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S Dinoseb	ug/Kg	8500000.00	J	550000.000	J	29000000.0	J
S Naphthalene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2-Methylnaphthalene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2-Chloronaphthalene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 3,3'-Dichlorobenzidine	ug/Kg	3300000.00	UJ	340000.000	UJ	17000000.0	UJ
S 2-Methylphenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 1,2-Dichlorobenzene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2-Chlorophenol	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 3,4-Dichoroaniline	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 2,4,5-Trichlorophenol	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ
S Nitrobenzene	ug/Kg	1600000.00	UJ	170000.000	UJ	8700000.00	UJ
S 3-Nitroaniline	ug/Kg	8200000.00	UJ	840000.000	UJ	43000000.0	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB52	CED9SB53
LAB SAMPLE ID---->	F310064-16A	F310064-17A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER

UNITS

S 4-Nitroaniline	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S 4-Nitrophenol	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S Benzyl Alcohol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 4-Bromophenylphenylether	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2,4-Dimethylphenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 4-Methylphenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 1,4-Dichlorobenzene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 4-Chloroaniline	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S bis(2-Chloroisopropyl)ether	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Phenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S bis(2-Chloroethyl)ether	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S bis(2-Chloroethoxy)methane	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S bis-(2-Ethylhexyl)phthalate	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Di-n-octyl phthalate	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Hexachlorobenzene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Anthracene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 1,2,4-Trichlorobenzene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2,4-Dichlorophenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2,4-Dinitrotoluene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Pyrene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Dimethyl Phthalate	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Dibenzofuran	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Benzo(g,h,i) perylene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Indeno(1,2,3-cd)pyrene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Benzo(b)fluoranthene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Fluoranthene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Benzo(k)fluoranthene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Acenaphthylene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Chrysene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Benzo(a)pyrene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2,4-Dinitrophenol	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S Dibenz(a,h)anthracene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 4,6-Dinitro-2-methylphenol	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S 1,3-Dichlorobenzene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Benzo(a)anthracene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 4-Chloro-3-methylphenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2,6-Dinitrotoluene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S N-nitroso-di-n-propylamine	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Benzoic Acid	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S Hexachloroethane	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 4Chlorophenylphenyl ether	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Propanil	ug/Kg	8600000.00	UJ	420000.000	UJ	56000.0000	J
S Hexachlorocyclopentadiene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
Isophorone	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB52	CED9SB53
LAB SAMPLE ID--->	F310064-16A	F310064-17A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER	UNITS						
S Acenaphthene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Diethyl Phthalate	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Di-n-butyl phthalate	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Phenanthrene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Butylbenzylphthalate	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S N-Nitrosodiphenylamine (1)	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Fluorene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Hexachlorobutadiene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Pentachlorophenol	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S 2,4,6-Trichlorophenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2-Nitroaniline	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S 2-Nitrophenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S Dinoseb	ug/Kg	4100000.00	J	1700000.00	J	420000.000	UJ
S Naphthalene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2-Methylnaphthalene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2-Chloronaphthalene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 3,3'-Dichlorobenzidine	ug/Kg	17000000.0	UJ	840000.000	UJ	170000.000	UJ
S 2-Methylphenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 1,2-Dichlorobenzene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 2-Chlorophenol	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 3,4-dichloroaniline	ug/Kg	8600000.00	UJ	420000.000	UJ	19000.0000	J
S 2,4,5-Trichlorophenol	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ
S Nitrobenzene	ug/Kg	8600000.00	UJ	420000.000	UJ	84000.0000	UJ
S 3-Nitroaniline	ug/Kg	43000000.0	UJ	2100000.00	UJ	420000.000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB62	CED9SB71
LAB SAMPLE ID--->	F310064-19A	F310064-20A
RECEIPT DATE--->	09/11/93	09/11/93

PARAMETER

UNITS

S 4-Nitroaniline	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S 4-Nitrophenol	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S Benzyl Alcohol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 4-Bromophenylphenylether	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2,4-Dimethylphenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 4-Methylphenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 1,4-Dichlorobenzene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 4-Chloroaniline	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S bis(2-Chloroisopropyl)ether	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Phenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S bis(2-Chloroethyl)ether	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S bis(2-Chloroethoxy)methane	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S bis-(2-Ethylhexyl)phthalate	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Di-n-octyl phthalate	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Hexachlorobenzene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Anthracene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 1,2,4-Trichlorobenzene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2,4-Dichlorophenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2,4-Dinitrotoluene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Pyrene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Dimethyl Phthalate	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Dibenzofuran	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Benzo(g,h,i) perylene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Indeno(1,2,3-cd)pyrene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Benzo(b)fluoranthene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Fluoranthene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Benzo(k)fluoranthene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Acenaphthylene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Chrysene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Benzo(a)pyrene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2,4-Dinitrophenol	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S Dibenz(a,h)anthracene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 4,6-Dinitro-2-methylphenol	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S 1,3-Dichlorobenzene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Benzo(a)anthracene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 4-Chloro-3-methylphenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2,6-Dinitrotoluene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S N-nitroso-di-n-propylamine	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Benzoic Acid	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S Hexachloroethane	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 4Chlorophenylphenyl ether	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Propanil	ug/Kg	8600.0000	J	770000.000	J	910000.000	UJ
S Hexachlorocyclopentadiene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
Isophorone	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB62	CED9SB71
LAB SAMPLE ID--->	F310064-19A	F310064-20A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER	UNITS						
S Acenaphthene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Diethyl Phthalate	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Di-n-butyl phthalate	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Phenanthrene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Butylbenzylphthalate	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S N-Nitrosodiphenylamine (1)	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Fluorene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Hexachlorobutadiene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Pentachlorophenol	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S 2,4,6-Trichlorophenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2-Nitroaniline	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S 2-Nitrophenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S Dinoseb	ug/Kg	420000.000	UJ	26000000.0	J	6400000.00	J
S Naphthalene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2-Methylnaphthalene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2-Chloronaphthalene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 3,3'-Dichlorobenzidine	ug/Kg	170000.000	UJ	3500000.00	UJ	1800000.00	UJ
S 2-Methylphenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 1,2-Dichlorobenzene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 2-Chlorophenol	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 3,4-Dichloroaniline	ug/Kg	84000.0000	UJ	450000.000	J	910000.000	UJ
S 2,4,5-Trichlorophenol	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ
S Nitrobenzene	ug/Kg	84000.0000	UJ	1700000.00	UJ	910000.000	UJ
S 3-Nitroaniline	ug/Kg	420000.000	UJ	8700000.00	UJ	4600000.00	UJ

**CEDAR CHEMICAL RFI**  
**SOIL HITS**

SAMPLE ID ----->	CED9SB73	CED9SB81	CED9SB82
LAB SAMPLE ID--->	F310064-24A	F310064-25A	F310064-26A
RECEIPT DATE--->	09/11/93	09/11/93	09/11/93

**PARAMETER**

		UNITS			
S	4-Nitroaniline	ug/Kg	420000.000	UJ	21000000.0 UJ
S	4-Nitrophenol	ug/Kg	420000.000	UJ	21000000.0 UJ
S	Benzyl Alcohol	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	4-Bromophenylphenylether	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	2,4-Dimethylphenol	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	4-Methylphenol	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	1,4-Dichlorobenzene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	4-Chloroaniline	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	bis(2-Chloroisopropyl)ether	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Phenol	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	bis(2-Chloroethyl)ether	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	bis(2-Chloroethoxy)methane	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Di-n-octyl phthalate	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Hexachlorobenzene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Anthracene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	1,2,4-Trichlorobenzene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	2,4-Dichlorophenol	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	2,4-Dinitrotoluene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Pyrene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Dimethyl Phthalate	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Dibenzofuran	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Benzo(g,h,i) perylene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Indeno(1,2,3-cd)pyrene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Benzo(b)fluoranthene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Fluoranthene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Benzo(k)fluoranthene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Acenaphthylene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Chrysene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Benzo(a)pyrene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	2,4-Dinitrophenol	ug/Kg	420000.000	UJ	21000000.0 UJ
S	Dibenz(a,h)anthracene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	4,6-Dinitro-2-methylphenol	ug/Kg	420000.000	UJ	21000000.0 UJ
S	1,3-Dichlorobenzene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Benzo(a)anthracene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	4-Chloro-3-methylphenol	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	2,6-Dinitrotoluene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	N-nitroso-di-n-propylamine	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Benzoic Acid	ug/Kg	420000.000	UJ	21000000.0 UJ
S	Hexachloroethane	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	4Chlorophenylphenyl ether	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Propanil	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	Hexachlorocyclopentadiene	ug/Kg	83000.0000	UJ	4200000.00 UJ
S	sophorone	ug/Kg	83000.0000	UJ	4200000.00 UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB73	CED9SB81
LAB SAMPLE ID--->	F310064-24A	F310064-25A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER	UNITS	CED9SB73	CED9SB81	CED9SB82
S Acenaphthene	ug/Kg	83000.0000	UJ	4200000.00
S Diethyl Phthalate	ug/Kg	83000.0000	UJ	4200000.00
S Di-n-butyl phthalate	ug/Kg	83000.0000	UJ	4200000.00
S Phenanthrene	ug/Kg	83000.0000	UJ	4200000.00
S Butylbenzylphthalate	ug/Kg	83000.0000	UJ	4200000.00
S N-Nitrosodiphenylamine (1)	ug/Kg	83000.0000	UJ	4200000.00
S Fluorene	ug/Kg	83000.0000	UJ	4200000.00
S Hexachlorobutadiene	ug/Kg	83000.0000	UJ	4200000.00
S Pentachlorophenol	ug/Kg	420000.000	UJ	21000000.0
S 2,4,6-Trichlorophenol	ug/Kg	83000.0000	UJ	4200000.00
S 2-Nitroaniline	ug/Kg	420000.000	UJ	21000000.0
S 2-Nitrophenol	ug/Kg	83000.0000	UJ	4200000.00
S Dinoseb	ug/Kg	360000.000	J	15000000.0
S Naphthalene	ug/Kg	83000.0000	UJ	4200000.00
S 2-Methylnaphthalene	ug/Kg	83000.0000	UJ	4200000.00
S 2-Chloronaphthalene	ug/Kg	83000.0000	UJ	4200000.00
S 3,3'-Dichlorobenzidine	ug/Kg	170000.000	UJ	8400000.00
S 2-Methylphenol	ug/Kg	83000.0000	UJ	4200000.00
S 2-Dichlorobenzene	ug/Kg	83000.0000	UJ	4200000.00
S 2-Chlorophenol	ug/Kg	83000.0000	UJ	4200000.00
S 3,4-Dichloroaniline	ug/Kg	83000.0000	UJ	4200000.00
S 2,4,5-Trichlorophenol	ug/Kg	420000.000	UJ	21000000.0
S Nitrobenzene	ug/Kg	83000.0000	UJ	4200000.00
S 3-Nitroaniline	ug/Kg	420000.000	UJ	21000000.0
				13000.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB91	CED9SB92
LAB SAMPLE ID--->	F310064-27A	F310064-28A
RECEIPT DATE---->	09/11/93	09/11/93

PARAMETER

		UNITS		
M	Lead	MG/KG	.	10.1000
M	Silver	MG/KG	.	0.3400 UJ
M	Arsenic	MG/KG	.	3.9000
M	Barium	MG/KG	.	204.0000
M	Chromium	MG/KG	.	13.1000 J
P	4,4'-DDT	ug/Kg	.	25.0000
P	4,4'-DDE	ug/Kg	.	16.0000
S	4-Nitroaniline	ug/Kg	18000000.0	UJ
S	4-Nitrophenol	ug/Kg	18000000.0	UJ
S	Benzyl Alcohol	ug/Kg	3700000.00	UJ
S	4-Bromophenylphenylether	ug/Kg	3700000.00	UJ
S	2,4-Dimethylphenol	ug/Kg	3700000.00	UJ
S	4-Methylphenol	ug/Kg	3700000.00	UJ
S	1,4-Dichlorobenzene	ug/Kg	3700000.00	UJ
S	4-Chloroaniline	ug/Kg	3700000.00	UJ
S	bis(2-Chloroisopropyl)ether	ug/Kg	3700000.00	UJ
S	Phenol	ug/Kg	3700000.00	UJ
	bis(2-Chloroethyl)ether	ug/Kg	3700000.00	UJ
	bis(2-Chloroethoxy)methane	ug/Kg	3700000.00	UJ
S	bis-(2-Ethylhexyl)phthalate	ug/Kg	3700000.00	UJ
S	Di-n-octyl phthalate	ug/Kg	3700000.00	UJ
S	Hexachlorobenzene	ug/Kg	3700000.00	UJ
S	Anthracene	ug/Kg	3700000.00	UJ
S	1,2,4-Trichlorobenzene	ug/Kg	3700000.00	UJ
S	2,4-Dichlorophenol	ug/Kg	3700000.00	UJ
S	2,4-Dinitrotoluene	ug/Kg	3700000.00	UJ
S	Pyrene	ug/Kg	3700000.00	UJ
S	Dimethyl Phthalate	ug/Kg	3700000.00	UJ
S	Dibenzofuran	ug/Kg	3700000.00	UJ
S	Benzo(g,h,i) perylene	ug/Kg	3700000.00	UJ
S	Indeno(1,2,3-cd)pyrene	ug/Kg	3700000.00	UJ
S	Benzo(b)fluoranthene	ug/Kg	3700000.00	UJ
S	Fluoranthene	ug/Kg	3700000.00	UJ
S	Benzo(k)fluoranthene	ug/Kg	3700000.00	UJ
S	Acenaphthylene	ug/Kg	3700000.00	UJ
S	Chrysene	ug/Kg	3700000.00	UJ
S	Benzo(a)pyrene	ug/Kg	3700000.00	UJ
S	2,4-Dinitrophenol	ug/Kg	18000000.0	UJ
S	Dibenz(a,h)anthracene	ug/Kg	3700000.00	UJ
S	4,6-Dinitro-2-methylphenol	ug/Kg	18000000.0	UJ
S	1,3-Dichlorobenzene	ug/Kg	3700000.00	UJ
S	Benzo(a)anthracene	ug/Kg	3700000.00	UJ
S	4-Chloro-3-methylphenol	ug/Kg	3700000.00	UJ
	,6-Dinitrotoluene	ug/Kg	3700000.00	UJ

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CED9SB91	CED9SB92
LAB SAMPLE ID--->	F310064-27A	F310064-28A
RECEIPT DATE---->	09/11/93	

PARAMETER	UNITS			
S N-nitroso-di-n-propylamine	ug/Kg	3700000.00	UJ	.
S Benzoic Acid	ug/Kg	18000000.0	UJ	.
S Hexachloroethane	ug/Kg	3700000.00	UJ	.
S 4Chlorophenylphenyl ether	ug/Kg	3700000.00	UJ	.
S Propanil	ug/Kg	3700000.00	UJ	.
S Hexachlorocyclopentadiene	ug/Kg	3700000.00	UJ	.
S Isophorone	ug/Kg	3700000.00	UJ	.
S Acenaphthene	ug/Kg	3700000.00	UJ	.
S Diethyl Phthalate	ug/Kg	3700000.00	UJ	.
S Di-n-butyl phthalate	ug/Kg	3700000.00	UJ	.
S Phenanthrene	ug/Kg	3700000.00	UJ	.
S Butylbenzylphthalate	ug/Kg	3700000.00	UJ	.
S N-Nitrosodiphenylamine (1)	ug/Kg	3700000.00	UJ	.
S Fluorene	ug/Kg	3700000.00	UJ	.
S Hexachlorobutadiene	ug/Kg	3700000.00	UJ	.
S Pentachlorophenol	ug/Kg	18000000.0	UJ	.
S 2,4,6-Trichlorophenol	ug/Kg	3700000.00	UJ	.
S 2-Nitroaniline	ug/Kg	18000000.0	UJ	.
S 2-Nitrophenol	ug/Kg	3700000.00	UJ	.
S Dinoseb	ug/Kg	28000000.0	J	90000.0000 J
S Naphthalene	ug/Kg	3700000.00	UJ	.
S 2-Methylnaphthalene	ug/Kg	3700000.00	UJ	.
S 2-Chloronaphthalene	ug/Kg	3700000.00	UJ	.
S 3,3'-Dichlorobenzidine	ug/Kg	7400000.00	UJ	.
S 2-Methylphenol	ug/Kg	3700000.00	UJ	.
S 1,2-Dichlorobenzene	ug/Kg	3700000.00	UJ	.
S 2-Chlorophenol	ug/Kg	3700000.00	UJ	.
S 3,4-Dichloroaniline	ug/Kg	3700000.00	UJ	.
S 2,4,5-Trichlorophenol	ug/Kg	18000000.0	UJ	.
S Nitrobenzene	ug/Kg	3700000.00	UJ	.
S 3-Nitroaniline	ug/Kg	18000000.0	UJ	.
V Toluene	UG/KG	.	.	13.0000
V Total Xylenes	UG/KG	.	.	7.0000
V Methylene chloride	UG/KG	.	.	2.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	CEDSBG2	CEDSBG3	CEDSBG3DIL
LAB SAMPLE ID--->	Q30927902A	Q30927901A	Q30927901A
RECEIPT DATE---->	09/23/93	09/23/93	09/23/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	10.3000	11.2000	.
M Silver	MG/KG	0.3500	UJ	0.3400 UJ
M Arsenic	MG/KG	6.2000		5.3000
M Barium	MG/KG	174.0000		138.0000
M Chromium	MG/KG	14.7000	J	10.7000 J
P 4,4'-DDT	ug/Kg	.		29.0000
P 4,4'-DDE	ug/Kg	.		20.0000
S 2-Nitroaniline	ug/kg	.		2.0000 J
V 1,2-Dichloroethane	UG/KG	.		32.0000 J
V Toluene	UG/KG	.		10.0000 J
V Acetone	UG/KG	.		1200.0000 R
V Methylene chloride	UG/KG	2.0000	J	7.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	IMSB011	IMSB012	IMSB012DIL
LAB SAMPLE ID--->	Q30409001A	Q30409002A	Q30409002A
RECEIPT DATE---->	04/10/93	04/10/93	04/10/93

PARAMETER	UNITS	IMSB011	IMSB012	IMSB012DIL
M Lead	MG/KG	12.8000	11.7000	.
M Arsenic	MG/KG	59.0000	9.3000	.
M Barium	MG/KG	313.0000	143.0000	.
M Chromium	MG/KG	12.4000 J	9.2000 J	.
M Selenium	MG/KG	0.1500	0.1500	.
P Aldrin	ug/Kg	420.0000	.	.
P 4,4'-DDT	ug/Kg	890.0000	.	.
P Gamma BHC	ug/Kg	.	3.4000	.
P Endrin	ug/Kg	250.0000	.	.
P 4,4'-DDE	ug/Kg	190.0000	.	.
S Dinoseb	UG/L	.	68000.0000 R	63000.0000 J
V Acetone	UG/KG	.	200.0000	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

PARAMETER	SAMPLE ID ----->	IMSB013	IMSB021	IMSB022
	LAB SAMPLE ID--->	Q30409005	Q30409003A	Q30409004A
RECEIPT DATE---->	04/10/93	04/10/93	04/10/93	
	UNITS			
M Lead	MG/KG	.	6.5000	11.7000
M Arsenic	MG/KG	.	3.4000	7.4000
M Barium	MG/KG	.	81.7000	210.0000
M Chromium	MG/KG	.	8.2000 J	9.9000 J
M Selenium	MG/KG	.	.	0.1900
P Beta BHC	ug/Kg	.	.	10.0000
P delta-BHC	ug/Kg	26.0000	.	.
P 4,4'-DDT	ug/Kg	.	55.0000	.
P Dieldrin	ug/Kg	.	7.4000	.
P Methoxychlor	ug/Kg	.	600.0000	.
P Heptachlor	ug/Kg	.	.	31.0000
S Dinoseb	UG/KG	.	.	2900.0000
S 3,4-Dichloroaniline	UG/KG	.	.	6700.0000
V Toluene	UG/KG	.	.	9.0000
V Acetone	UG/KG	.	240.0000	320.0000 R

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	IMSB022DIL	IMSB023	IMSB031
LAB SAMPLE ID--->	Q30409004A	Q30409006	Q30409101A
RECEIPT DATE---->	04/10/93	04/10/93	04/10/93

**PARAMETER**

**UNITS**

M Lead	MG/KG	.	8.9000
M Arsenic	MG/KG	.	7.4000
M Barium	MG/KG	.	130.0000
M Chromium	MG/KG	.	12.5000 J
P alpha-BHC	ug/Kg	55.0000	.
P Dieldrin	ug/Kg	350.0000	.
S Propanil	UG/KG	8800.0000	.
V 1,2-Dichloroethane	UG/KG	10.0000	.
V Acetone	UG/KG	200.0000 J	.
V Methylene chloride	UG/KG	66.0000	.

**CEDAR CHEMICAL RFI**  
**SOIL HITS**

SAMPLE ID ----->	IMSB032	IMSB033	IMSB041
LAB SAMPLE ID--->	Q30409102A	Q30409109	Q30409103A
RECEIPT DATE--->	04/10/93	04/10/93	04/10/93

PARAMETER	UNITS			
M Lead	MG/KG	13.3000	.	9.8000
M Arsenic	MG/KG	7.3000	.	8.6000
M Barium	MG/KG	231.0000	.	130.0000
M Chromium	MG/KG	14.2000	J	13.8000 J
M Selenium	MG/KG	0.2800	.	.
P Aldrin	ug/Kg	9.3000	.	.
P Beta BHC	ug/Kg	37.0000	.	.
P Gamma BHC	ug/Kg	3.4000	.	.
P Dieldrin	ug/Kg	.	.	56.0000
P 4,4'-DDD	ug/Kg	10.0000	.	.
P Heptachlor	ug/Kg	4.9000	.	.
S Phenol	UG/KG	1000.0000	.	.
S Dinoseb	UG/KG	12000.0000	.	.
S 3,4-Dichloroaniline	UG/KG	2600.0000	.	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID ----->	IMSB042	IMSB051	IMSB052
LAB SAMPLE ID--->	Q30409104A	Q30409105A	Q30409106A
RECEIPT DATE---->	04/10/93	04/10/93	04/10/93

PARAMETER

UNITS

M Lead	MG/KG	13.0000	11.4000	9.7000
M Arsenic	MG/KG	8.5000	9.6000	7.2000
M Barium	MG/KG	156.0000	146.0000	122.0000
M Chromium	MG/KG	16.9000 J	12.0000 J	11.7000 J
M Selenium	MG/KG	0.2900	0.1800	0.2000
P Dieldrin	ug/Kg	.	13.0000	.
P Methoxychlor	ug/Kg	.	290.0000	.

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> IMSB053                    SBLK1                    UED2SB126DL  
LAB SAMPLE ID---> Q30409111A                SBLK9-14-93            Q30934005A  
RECEIPT DATE---> 04/10/93                    .                    09/25/93

PARAMETER

UNITS

S	bis(2-Ethylhexyl)Phthalate	UG/KG	:	180.0000	J	:
S	Pentachlorophenol	UG/KG	:	650.0000	J	:
S	3,4-Dichloroaniline	UG/KG	:	230.0000	J	:

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> VBLK1                          VBLK1                          VBLK1  
LAB SAMPLE ID---> VBLK10-4-93                VBLK10-7-93                VBLK9-7-93  
RECEIPT DATE---->

PARAMETER

UNITS

---

V Methylene chloride                          UG/KG                          1.0000 J  
V 2-Butanone                                    UG/KG                          5.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> VBLK2                          VBLK2                          VBLK3  
LAB SAMPLE ID---> VBLK10-4-93                VBLK10-8-93                VBLK10-5-93  
RECEIPT DATE---->  
PARAMETER    UNITS

---

V Methylene chloride                                  UG/KG                          1.0000 J

## **CEDAR CHEMICAL RFI SOIL HITS**

SAMPLE ID -----> VBLK3 VBLK4 VBLK4  
LAB SAMPLE ID--> VBLK10-8-93 VBLK10-5-93 VBLK10-9-93  
RECEIPT DATE-->  
UNITS

## PARAMETER

V 2-Hexanone UG/KG . . . . . 2.0000 J

**CEDAR CHEMICAL RFI  
SOIL HITS**

SAMPLE ID -----> VBLK5                          VBLK6                          VBLK7  
LAB SAMPLE ID---> VBLK10-6-93                VBLK10-6-93                VBLK10-7-93  
RECEIPT DATE--->  
PARAMETER    UNITS

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V Acetone	UG/KG		4.0000	J
V Methylene chloride	UG/KG	430.0000 J	1.0000	J
V 2-Butanone	UG/KG		7.0000	J

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED1GWMW1	CED1GWMW2
LAB SAMPLE ID--->	Q30917201	Q30917204
RECEIPT DATE---->	09/15/93	09/15/93

PARAMETER	UNITS					
		CYANIDE				
G BICARBONATE	MG/L	400.0000		380.0000		820.0000
G NITRATE	MG/L	5.3000		0.9000		
G SULFATE	MG/L	69.0000		49.0000		420.0000
G CHLORIDE	MG/L	450.0000		36.0000		1300.0000
G FLUORIDE	MG/L	0.3000		0.9000		0.6000
G AMMONIA	MG/L					
M Iron	UG/L	109000.000	J	53600.0000	J	107000.000 J
M Lead	UG/L	41.1000		25.3000		38.0000
M Magnesium	UG/L	174000.000	J	65100.0000	J	261000.000 J
M Sodium	UG/L	92100.0000		67700.0000		525000.000
M Arsenic	UG/L	38.5000	J	21.8000	J	44.6000 J
M Barium	UG/L	923.0000		513.0000		639.0000
M Chromium	UG/L	81.4000	J	47.1000	J	80.8000 J
M Calcium	UG/L	304000.000	J	74100.0000	J	294000.000 J
M Selenium	UG/L	5.0000	UJ	5.0000	UJ	5.0000 UJ
S 1,4-Dichlorobenzene	ug/L					4.0000 J
S 4-Chloroaniline	ug/L					76.0000 J
S Bis-(2-Ethylhexyl)phthalate	ug/L	2.0000	J			
S 1,3-Dichlorobenzene	ug/L					4.0000 J
S 1,2-Dichlorobenzene	ug/L					31.0000
S 3,4-Dichloroaniline	ug/L					55.0000
V 1,2-Dichloroethane	UG/L	19.0000				2700.0000
V Chloroform	UG/L	2.0000	J			

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED1GWMW3 DU	CED1GWMW4	CED1GWMW5
LAB SAMPLE ID--->	Q30917206	Q30919304	Q30919305
RECEIPT DATE--->	09/15/93	09/16/93	09/16/93

PARAMETER	UNITS					
CYANIDE	MG/L					
G BICARBONATE	MG/L	820.0000		780.0000		890.0000
G NITRATE	MG/L			0.0200		
G SULFATE	MG/L	380.0000		210.0000		620.0000
G CHLORIDE	MG/L	1200.0000		1400.0000		1600.0000
G FLUORIDE	MG/L	0.6000		0.5000		0.6000
G AMMONIA	MG/L					
M Iron	UG/L	169000.000	J	22500.0000	J	42300.0000 J
M Lead	UG/L	48.9000		10.8000		16.1000
M Magnesium	UG/L	383000.000	J	240000.000	J	197000.000 J
M Sodium	UG/L	558000.000		379000.000		906000.000
M Arsenic	UG/L	49.3000	J	13.5000	J	20.1000 J
M Barium	UG/L	955.0000		441.0000		324.0000
M Chromium	UG/L	113.0000	J	21.2000	J	47.5000 J
M Calcium	UG/L	456000.000	J	285000.000	J	360000.000 J
M Selenium	UG/L	5.0000	UJ	5.0000	UJ	5.0000 UJ
S 1,4-Dichlorobenzene	ug/L	4.0000	J			
S -Chloroaniline	ug/L	160.0000	J	1.0000	J	
S 1,3-Dichlorobenzene	ug/L	3.0000	J			
S 2,6-Dinitrotoluene	ug/L					320.0000 J
S 1,2-Dichlorobenzene	ug/L	30.0000				
S 3,4-Dichloroaniline	ug/L	60.0000		12.0000		13.0000
V 1,2-Dichloroethane	UG/L	2500.0000		1800.0000		
V Chloroform	UG/L					2.0000 J
V Trichloroethene	UG/L			28.0000	J	

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED1GWMW6	CED1RB1	CED1RB2
LAB SAMPLE ID--->	Q31000604	Q30907101A	Q30919302
RECEIPT DATE--->	10/01/93	09/04/93	09/16/93

PARAMETER	UNITS			
CYANIDE	MG/L	.	.	.
G BICARBONATE	MG/L	180.0000	.	3.0000
G NITRATE	MG/L	.	.	.
G SULFATE	MG/L	30.0000	.	.
G CHLORIDE	MG/L	630.0000	.	.
G FLUORIDE	MG/L	0.3000	.	.
G AMMONIA	MG/L	1.8000	.	.
M Iron	UG/L	18300.0000	.	70.6000 J
M Lead	UG/L	15.9000	.	.
M Magnesium	UG/L	72900.0000	.	.
M Sodium	UG/L	72300.0000	.	.
M Arsenic	UG/L	23.6000	.	10.0000 UJ
M Barium	UG/L	553.0000	.	.
M Chromium	UG/L	12.7000	.	.
M Calcium	UG/L	334000.000	.	.
M Selenium	UG/L	5.0000 R	.	5.0000 UJ
S 1,4-Dichlorobenzene	UG/L	.	2.0000 J	.
S Bis-(2-Ethylhexyl)phthalate	ug/L	.	.	33.0000
S Benzoic Acid	ug/L	11.0000 J	.	.
S Di-n-Butylphthalate	UG/L	.	1.0000 J	.
V 1,2-Dichloroethane	UG/L	640.0000	.	.
V Toluene	UG/L	.	6.0000	.
V Total Xylenes	UG/L	.	1.0000 J	.
V Acetone	UG/L	.	.	57.0000

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED2GWMW1	CED2GWMW1DIL	CED2GWMW2
LAB SAMPLE ID--->	Q31000702	Q31000702A	Q31000701
RECEIPT DATE---->	10/01/93	10/01/93	10/01/93

**PARAMETER**

**UNITS**

M Iron	UG/L	.	127000.000
M Lead	UG/L	.	60.2000
M Magnesium	UG/L	.	82500.0000
M Mercury	UG/L	.	0.2300
M Sodium	UG/L	.	266000.000
M Arsenic	UG/L	.	60.4000
M Barium	UG/L	.	576.0000
M Cadmium	UG/L	.	4.0000 J
M Chromium	UG/L	.	102.0000
M Calcium	UG/L	.	187000.000
M Selenium	UG/L	.	5.0000 R
P Methoxychlor	ug/Kg	3.4000	.
S 1,2-Dichlorobenzene	ug/L	.	58.0000
S 3,4-Dichloroaniline	ug/L	.	220.0000
V 1,2-Dichloroethane	UG/L	29000.0000	29000.0000 J
V 4-Methyl-2-Pentanone	UG/L	2200.0000 J	.
V Toluene	UG/L	940.0000 J	4700.0000 J
V Chlorobenzene	UG/L	.	12000.0000 J
V Total Xylenes	UG/L	1100.0000 J	.
V Acetone	UG/L	4800.0000 J	3400.0000 J
V Chloroform	UG/L	700.0000 J	.
V Methylene chloride	UG/L	470000.000 R	600000.000 J

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED2GWMW3	CED2GWMW4	CED2GWMW5
LAB SAMPLE ID--->	Q30936903	Q30936906	Q30936907
RECEIPT DATE---->	09/29/93	09/29/93	09/29/93

PARAMETER	UNITS					
G BICARBONATE	MG/L	410.0000	500.0000	430.0000		
G NITRATE	MG/L	.	.	2.2000		
G SULFATE	MG/L	29.0000	16.0000	79.0000		
G CHLORIDE	MG/L	570.0000	1100.0000	34.0000		
G FLUORIDE	MG/L	0.3000	0.1000	0.2000		
M Iron	UG/L	42400.0000	51000.0000	21100.0000		
M Lead	UG/L	30.6000	39.1000	20.8000		
M Magnesium	UG/L	99500.0000	205000.000	44600.0000		
M Sodium	UG/L	93300.0000	82500.0000	36600.0000		
M Arsenic	UG/L	59.2000	32.0000	.		
M Barium	UG/L	1670.0000	1100.0000	217.0000		
M Cadmium	UG/L	.	2.8000	.		
M Chromium	UG/L	28.5000 J	61.7000 J	18.8000 J		
M Calcium	UG/L	198000.000	452000.000	135000.000		
M Selenium	UG/L	5.0000 UJ	6.0000 J	5.0000 UJ		
S 4-Methylphenol	ug/L	8.0000 J	.	.		
S 4-Chloroaniline	ug/L	2.0000 J	590.0000 J	3.0000 J		
Phenol	ug/L	950.0000 J	.	.		
S Bis(2-Chloroethyl)ether	ug/L	.	13.0000	.		
S Propanil	ug/L	6.0000 J	.	1.0000 J		
S Dinoseb	ug/L	.	.	39.0000 J		
S Naphthalene	ug/L	1.0000 J	.	.		
S 2-Methylphenol	ug/L	3.0000 J	.	.		
S 1,2-Dichlorobenzene	ug/L	11.0000	28.0000	7.0000 J		
S 3,4-Dichloroaniline	ug/L	3.0000 J	16.0000	4.0000 J		
V 1,2-Dichloroethane	UG/L	120.0000	500.0000	.		
V 4-Methyl-2-Pentanone	UG/L	520.0000	.	.		
V Toluene	UG/L	160.0000	.	.		
V Chlorobenzene	UG/L	.	470.0000	.		
V Total Xylenes	UG/L	4.0000 J	.	.		
V Acetone	UG/L	430.0000	.	.		
V Chloroform	UG/L	340.0000	.	3.0000 J		
V Benzene	UG/L	.	7.0000 J	.		
V Methylene chloride	UG/L	460.0000	720.0000	.		

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED2RB1	CED3RB1
LAB SAMPLE ID--->	Q30936902	Q30919301A
RECEIPT DATE---->	09/29/93	09/16/93

**PARAMETER**

		UNITS				
G	BICARBONATE	MG/L	2.0000	.	.	630.0000
G	SULFATE	MG/L	.	.	.	23.0000
G	CHLORIDE	MG/L	.	.	.	72.0000
G	FLUORIDE	MG/L	.	.	.	0.3000
M	Iron	UG/L	46.8000	92.3000	J	32000.0000
M	Lead	UG/L	.	.	.	33.2000
M	Magnesium	UG/L	.	.	.	53000.0000
M	Sodium	UG/L	.	.	.	87200.0000
M	Arsenic	UG/L	.	10.0000	UJ	21.6000
M	Barium	UG/L	.	.	.	1450.0000
M	Chromium	UG/L	.	.	.	41.0000
M	Calcium	UG/L	.	.	.	186000.000
M	Selenium	UG/L	.	5.0000	UJ	5.0000
P	Heptachlor	ug/L	.	0.0400	.	R
S	4-Methylphenol	ug/L	.	.	.	23.0000
S	4-Chloroaniline	ug/L	.	.	.	23.0000
S	bis-(2-Ethylhexyl)phthalate	ug/L	.	13.0000	.	.
S	Benzoic Acid	ug/L	.	.	.	57.0000
	Propanil	ug/L	.	.	.	45.0000
S	Isophorone	ug/L	.	.	.	17.0000
S	Naphthalene	ug/L	.	.	.	2.0000
S	2-Methylphenol	ug/L	.	.	.	J
S	1,2-Dichlorobenzene	ug/L	.	.	.	15.0000
S	3,4-Dichloroaniline	ug/L	.	.	.	960.0000
V	1,2-Dichloroethane	UG/L	.	.	.	66.0000
V	Toluene	UG/L	.	.	.	5800.0000
V	Total Xylenes	UG/L	.	.	.	110000.000
V	Acetone	UG/L	.	.	.	1400.0000
V	Methylene chloride	UG/L	2.0000	J	.	J
				31.0000	.	1300.0000

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED4GWMW2	CED4GWMW2D	CED4RB1
LAB SAMPLE ID--->	Q31000602	Q31000603	Q31000605
RECEIPT DATE---->	10/01/93	10/01/93	10/01/93

**PARAMETER**

		UNITS				
G BICARBONATE	MG/L	530.0000	530.0000		2.0000	
G NITRATE	MG/L	1.2000	1.0000		.	
G SULFATE	MG/L	140.0000	120.0000		.	
G CHLORIDE	MG/L	200.0000	200.0000		.	
G FLUORIDE	MG/L	0.2000	0.2000		.	
M Iron	UG/L	122000.000	108000.000		59.4000	
M Lead	UG/L	134.0000	119.0000		.	
M Magnesium	UG/L	201000.000	169000.000		.	
M Sodium	UG/L	27000.0000	26700.0000		.	
M Arsenic	UG/L	24.6000	25.8000		.	
M Barium	UG/L	1530.0000	1370.0000		.	
M Cadmium	UG/L	2.3000 J	.		.	
M Chromium	UG/L	120.0000	107.0000		.	
M Calcium	UG/L	382000.000	322000.000		.	
M Selenium	UG/L	5.0000 R	5.0000 R		5.0000 R	
S 1,4-Dichlorobenzene	ug/L	.	2.0000 J		.	
S 4-Chloroaniline	ug/L	5.0000 J	5.0000 J		.	
S Bis(2-Ethylhexyl)Phthalate	UG/L	.	.	1.0000 J	.	
S Bis-(2-Ethylhexyl)phthalate	ug/L	.	.	20.0000	.	
S 2,4-Dinitrophenol	ug/L	110.0000	109.0000	.	.	
S Isophorone	ug/L	2.0000 J	2.0000 J	.	.	
S Dinoseb	ug/L	41000.0000	47000.0000	.	.	
S 1,2-Dichlorobenzene	ug/L	33.0000	35.0000	.	.	
S 3,4-Dichloroaniline	ug/L	22.0000	26.0000	.	.	
V 1,2-Dichloroethane	UG/L	210.0000	240.0000	.	.	
V Toluene	UG/L	80.0000	52.0000	.	.	
V Chlorobenzene	UG/L	31.0000 J	30.0000 J	.	.	
V Total Xylenes	UG/L	38.0000 J	44.0000 J	.	.	
V Chloroform	UG/L	1400.0000	1900.0000	.	.	
V Benzene	UG/L	46.0000 J	43.0000 J	.	.	
V Methylene chloride	UG/L	1300.0000	1500.0000	.	.	

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CED9RB1	CEDARFB1	CEDARFB2
LAB SAMPLE ID--->	Q30910001A	Q30919303	Q30936901
RECEIPT DATE--->	09/09/93	09/16/93	09/29/93

PARAMETER	UNITS			
G BICARBONATE	MG/L	.	3.0000	1.0000
G NITRATE	MG/L	.	.	.
G SULFATE	MG/L	.	.	.
G CHLORIDE	MG/L	.	.	.
G FLUORIDE	MG/L	.	.	.
G AMMONIA	MG/L	.	.	.
M Iron	UG/L	.	.	33.6000
S bis-(2-Ethylhexyl)phthalate	ug/L	14.0000	29.0000	.
S Di-n-Butylphthalate	UG/L	1.0000 J	.	.
S 3,4-Dichloroaniline	ug/L	.	.	1.0000 J
V Methylene chloride	UG/L	.	.	2.0000 J

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CEDEGWMW1	CEDEGWMW2
LAB SAMPLE ID--->	Q30931101	Q30931102
RECEIPT DATE--->	09/24/93	09/24/93

PARAMETER	UNITS	CEDEGWMW1	CEDEGWMW2	CEDEGWMW3
G BICARBONATE	MG/L	480.0000	250.0000	290.0000
G SULFATE	MG/L	120.0000	41.0000	320.0000
G CHLORIDE	MG/L	260.0000	15.0000	1400.0000
G FLUORIDE	MG/L	0.3000	0.3000	0.2000
G AMMONIA	MG/L	.	0.3000	0.7000
M Iron	UG/L	64200.0000	121000.0000	82900.0000
M Lead	UG/L	30.8000	89.4000	38.4000
M Magnesium	UG/L	133000.000	58700.0000	140000.000
M Sodium	UG/L	98300.0000	33400.0000	171000.000
M Arsenic	UG/L	29.3000	26.5000	39.9000
M Barium	UG/L	799.0000	1120.0000	319.0000
M Cadmium	UG/L	3.6000	8.5000	180.0000
M Chromium	UG/L	63.2000 J	104.0000 J	800.0000 J
M Calcium	UG/L	232000.000	109000.000	522000.000
M Selenium	UG/L	5.0000 UJ	5.0000 UJ	5.0000 UJ
P Alpha BHC	ug/Kg	0.0500	.	0.0700
P 4,4'-DDT	ug/Kg	0.4900	.	.
Dieldrin	ug/Kg	.	.	0.0300
S 2,4-Dimethylphenol	ug/L	.	.	2.0000 J
S 4-Methylphenol	ug/L	.	1.0000 J	.
S 4-Chloroaniline	ug/L	5.0000 J	.	40.0000
S 1,2,4-Trichlorobenzene	ug/L	.	.	2.0000 J
S 2,4-Dichlorophenol	ug/L	.	.	2.0000 J
S Dimethyl Phthalate	ug/L	10.0000	.	.
S Isophorone	ug/L	.	.	6.0000 J
S Dinoseb	ug/L	42.0000 J	.	140.0000
S Naphthalene	ug/L	.	.	4.0000 J
S 2-Methylnaphthalene	ug/L	.	.	1.0000 J
S 2-Methylphenol	ug/L	2.0000 J	.	.
S 1,2-Dichlorobenzene	ug/L	.	1.0000 J	310.0000 J
S 3,4-Dichloroaniline	ug/L	19.0000	.	670.0000 J
V Ethylbenzene	UG/L	.	.	54.0000
V 1,2-Dichloroethane	UG/L	36.0000	.	7300.0000 R
V 4-Methyl-2-Pentanone	UG/L	.	.	11.0000 J
V Toluene	UG/L	.	.	32.0000 J
V Chlorobenzene	UG/L	.	.	26.0000 J
V Total Xylenes	UG/L	.	.	88.0000
V Chloroform	UG/L	1.0000 J	.	55.0000
V Methylene chloride	UG/L	.	.	390.0000

**CEDAR CHEMICAL RFI  
WATER HITS**

PARAMETER	SAMPLE ID ----->	CEDEGWMW3D	CEDEGWMW3DIL	CEDEGWMW4
	LAB SAMPLE ID--->	Q30931202	Q30931201A	Q30931203
RECEIPT DATE---->	09/24/93	09/24/93	09/24/93	
	UNITS			
G BICARBONATE	MG/L	300.0000	.	650.0000
G SULFATE	MG/L	350.0000	.	93.0000
G CHLORIDE	MG/L	1400.0000	.	650.0000
G FLUORIDE	MG/L	0.2000	.	0.3000
G AMMONIA	MG/L	0.8000	.	0.2000
M Iron	UG/L	85200.0000	.	347000.000
M Lead	UG/L	40.8000	.	174.0000
M Magnesium	UG/L	141000.000	.	472000.000
M Sodium	UG/L	170000.000	.	137000.000
M Arsenic	UG/L	43.5000	.	44.4000
M Barium	UG/L	332.0000	.	2400.0000
M Cadmium	UG/L	212.0000	.	4.3000
M Chromium	UG/L	972.0000 J	.	226.0000 J
M Calcium	UG/L	524000.000	.	919000.000
M Selenium	UG/L	5.0000 UJ	.	5.0000 UJ
P Alpha BHC	ug/Kg	0.0600	.	.
P Beta BHC	ug/Kg	0.0800	.	.
P ,4'-DDT	ug/Kg	.	.	0.5600
P Dieldrin	ug/Kg	0.0200	.	.
P Methoxychlor	ug/Kg	1.8000	.	.
S 4-Chloroaniline	ug/L	44.0000	.	130.0000
S Phenol	ug/L	.	.	1.0000 J
S bis(2-Chloroethyl)ether	ug/L	.	.	5.0000 J
S 1,2,4-Trichlorobenzene	ug/L	2.0000 J	.	.
S Propanil	ug/L	24.0000	.	.
S Isophorone	ug/L	6.0000 J	.	.
S Dinoseb	ug/L	94.0000	.	.
S Naphthalene	ug/L	4.0000 J	.	.
S 2-Methylnaphthalene	ug/L	1.0000 J	.	.
S 1,2-Dichlorobenzene	ug/L	300.0000 J	.	7.0000 J
S 3,4-Dichloroaniline	ug/L	770.0000 J	.	63.0000
V Ethylbenzene	UG/L	65.0000 J	.	.
V 1,2-Dichloroethane	UG/L	6700.0000	6100.0000 J	1200.0000
V Chlorobenzene	UG/L	.	.	16.0000 J
V Total Xylenes	UG/L	100.0000 J	87.0000 J	.
V Chloroform	UG/L	65.0000 J	53.0000 J	.
V Methylene chloride	UG/L	410.0000	420.0000 J	.

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CEDEGWMW6	CEDEGWMW6A
LAB SAMPLE ID----->	Q30933901	Q30933902
RECEIPT DATE----->	09/25/93	09/25/93

**PARAMETER**

		UNITS				
G	BICARBONATE	MG/L	490.0000	290.0000	540.0000	
G	SULFATE	MG/L	25.0000	14.0000	35.0000	
G	CHLORIDE	MG/L	29.0000	160.0000	560.0000	
G	FLUORIDE	MG/L	0.3000	0.6000	0.5000	
G	AMMONIA	MG/L	.	0.8000	.	
M	Iron	UG/L	14900.0000	106000.000	50100.0000	
M	Lead	UG/L	10.1000	66.4000	29.3000	
M	Magnesium	UG/L	48400.0000	121000.000	151000.000	
M	Sodium	UG/L	40800.0000	17400.0000	226000.000	
M	Arsenic	UG/L	.	47.8000	28.0000	
M	Barium	UG/L	336.0000	1010.0000	830.0000	
M	Cadmium	UG/L	.	.	16.3000	
M	Chromium	UG/L	18.6000	J	72.6000	J
M	Calcium	UG/L	128000.000	292000.000	301000.000	
M	Selenium	UG/L	5.0000	UJ	5.0000	UJ
S	4-Chloroaniline	ug/L	.	.	5900.0000	J
S	Propanil	ug/L	.	.	18.0000	J
S	Naphthalene	ug/L	.	.	15.0000	J
S	2-Methylnaphthalene	ug/L	.	.	6.0000	J
S	1,2-Dichlorobenzene	ug/L	.	.	130.0000	
S	3,4-Dichloroaniline	ug/L	.	.	58000.0000	
V	1,2-Dichloroethane	UG/L	190.0000	1.0000	J	1900.0000
V	Chlorobenzene	UG/L	.	18.0000	.	30.0000
V	Benzene	UG/L	.	.	.	J
					17.0000	

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	CEDEGWMW7	CEDERB	IMFBD1
LAB SAMPLE ID--->	Q30933801	Q30933904	Q30409201
RECEIPT DATE---->	09/25/93	09/25/93	04/10/93

**PARAMETER**

**UNITS**

G BICARBONATE	MG/L	270.0000	1.0000	.
G SULFATE	MG/L	290.0000	.	.
G CHLORIDE	MG/L	260.0000	.	.
G FLUORIDE	MG/L	0.3000	.	.
G AMMONIA	MG/L	0.4000	.	.
M Iron	UG/L	38200.0000	36.8000	.
M Lead	UG/L	25.0000	.	.
M Magnesium	UG/L	87600.0000	.	.
M Sodium	UG/L	15100.0000	.	.
M Arsenic	UG/L	29.7000	.	.
M Barium	UG/L	441.0000	.	.
M Chromium	UG/L	63.9000	J	.
M Calcium	UG/L	211000.000	.	.
M Selenium	UG/L	5.0000	UJ	5.0000 UJ
S 4-Chloroaniline	ug/L	65.0000	.	2.0000 J
S bis-(2-Ethylhexyl)phthalate	ug/L	.	.	2.0000 J
S 2,6-Dinitrotoluene	ug/L	13.0000	.	.
S 2-Chlorophenol	ug/L	1.0000	J	.
S 3,4-Dichloroaniline	ug/L	2.0000	J	31.0000
V 1,2-Dichloroethane	UG/L	64000.0000	.	.
V Methylene chloride	UG/L	.	.	2.0000 J

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	IMFBDI	IMFBPOT	TB1
LAB SAMPLE ID--->	Q30409201A	Q30409202A	Q30907102A
RECEIPT DATE---->	04/10/93	04/10/93	09/04/93

**PARAMETER**

**UNITS**

V Dibromochloromethane	UG/L	21.0000	.
V Chloroform	UG/L	5.0000	.
V Methylene chloride	UG/L	.	2.0000 J
V Bromoform	UG/L	28.0000	.
V Bromodichloromethane	UG/L	11.0000	.

**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID -----> TRIP BLANK # 1      TRIP BLANK # 2      TRIP BLANK1  
LAB SAMPLE ID---> Q30911501A            Q30910002A            Q30409112A  
RECEIPT DATE---> 09/10/93                  09/09/93            04/10/93

PARAMETER

UNITS

V Methylene chloride      UG/L      2.0000 J

**CEDAR CHEMICAL RFI  
WATER HITS**

PARAMETER	SAMPLE ID ----->	TRIP BLANK 1	TRIP BLANK2	TRIP BLANK 2
	LAB SAMPLE ID--->	Q30907103A	Q30409113A	Q30907104A
	RECEIPT DATE---->	09/04/93	04/10/93	09/04/93
		UNITS		

V Methylene chloride	UG/L	2.0000 J	2.0000 J
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CEDAR CHEMICAL RFI  
WATER HITS

SAMPLE ID ----->	TRIP BLANK 3	TRIP BLANK 9/1	TRIP BLANK 9/1
LAB SAMPLE ID--->	Q30907105A	Q30919306A	Q30922201A
RECEIPT DATE--->	09/04/93	09/16/93	09/17/93
PARAMETER	UNITS		

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V Methylene chloride	UG/L	2.0000 J	2.0000 J	4.0000 J
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**CEDAR CHEMICAL RFI  
WATER HITS**

SAMPLE ID ----->	TRIP BLANK 9/2	TRIP BLANK 9/9	TRIP BLANK
LAB SAMPLE ID--->	Q30931204A	Q30915601A	Q30409203A
RECEIPT DATE--->	09/24/93	09/11/93	04/10/93

PARAMETER

UNITS

V Methylene chloride                  UG/L                  6.0000

**CEDAR CHEMICAL RFI  
WATER HITS**

PARAMETER	SAMPLE ID ----->	TRIP BLANK	TRIP BLANK	TRIP BLANK
	LAB SAMPLE ID-->	Q30933905A	Q30936908A	Q31000606A
	RECEIPT DATE--->	09/25/93	09/29/93	10/01/93
	UNITS			
V Methylene chloride	UG/L	7.0000	8.0000	7.0000